Government of Saskatchewan

Annual Report 1983

Saskatchewan Health
Vital Statistics
3475 Albert Street
Regina, Saskatchewan
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Department of Health

To The Honourable F. W. Johnson,
Lieutenant Governor of Saskatchewan.

May It Please Your Honour:

I beg to present herewith, for your consideration, the annual report on Saskatchewan vital statistics for the calendar year 1983.

Respectfully submitted,

Graham Taylor,
Minister of Health.

Department of Health

To The Honourable Graham Taylor,
Minister of Health.

Sir:

I have the honour to forward herewith the annual report on Saskatchewan vital statistics for the calendar year 1983.

Respectfully submitted,

Walter Podiluk
Deputy Minister of Health.

Foreword

The Saskatchewan Vital Statistics Annual Report 1983 has been prepared subsequent to the Interim Report on Saskatchewan Vital Statistics for the Calendar Year 1983, which was tabled in the Legislative Assembly on May 2, 1984. The Interim Report is based on place of occurrences in Saskatchewan regardless of place of residence. This Annual Report is based on occurrences to Saskatchewan residents regardless of where they took place.

Contents

Page

Terms and Definitions ____ 9

Introduction ____ 11
Population, births, deaths, natural increase, marriages, divorces and annulments.

Health Regions ____ 20
Births, deaths, infant deaths, neonatal deaths.

Births ____ 24
Birth rate, births in hospitals, births by sex, births occurring to single mothers, stillbirths, fertility rates, age of parents, birth order, birth weight.

Mortality ____ 31
Age-sex mortality, standardized (age adjusted) death rates, deaths in hospitals, leading causes of death, heart diseases, malignant neoplasms (cancer), accidents and violence.

Infant Mortality ____ 52
Infant mortality rate, urban-rural differences, infant deaths by sex and age, causes of infant deaths, neonatal mortality, perinatal mortality.

Marriages and Divorces ____ 58
Rate of marriages, previous marital status and age at marriage, birthplace and religious denomination, divorces and annulments.

Life Expectancy ____ 61

List of Tables

Page

Introduction

1. Summary of Vital Statistics, Saskatchewan, 1978-1983 ____ 13
2. Natural Increase and Actual Increase, Saskatchewan, 1961-1983 ____ 14
3. Live Births and Deaths by Place of Occurrence and Place of Residence, Saskatchewan, 1983 ____ 15
4. Population of Saskatchewan by Age Groups and Sex, 1981-1983 ____ 16
5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1983 ____ 18

Health Regions

6. Population of Health Regions, Saskatchewan, 1983 ____ 21
7. Summary of Vital Statistics for Health Regions, Saskatchewan Residents, 1983 ____ 22
8. Selected Leading Causes of Death by Residence, Saskatchewan, 1983 ____ 23

List of Tables (Continued)

		Page
Births		
9.	Stillbirths by Sex and Period of Gestation, Saskatchewan, 1983	26
10.	Live Births and Stillbirths by Age of Mother, Saskatchewan, 1983	26
11.	Live Births by Age of Parent, Saskatchewan, 1983	27
12.	Live Births by Age of Mother and Order of Birth, Saskatchewan, 1983	27
13.	Live Births by Age of Mother and Birth Weight, Saskatchewan, 1983	28
14.	Live Births by Period of Gestation and Birth Weight, Saskatchewan, 1983	29
15.	Live Births by Marital Status and Birth Weight for Mothers Under 20, Saskatchewan, 1983	30
16.	Live Births by Marital Status and Gestation for Mothers Under 20, Saskatchewan, 1983	30
Mortality		
17.	Age Specific Death Rates (per 1,000 population), Saskatchewan, 1973-1983	31
18.	Standardized Mortality Rates for Saskatchewan, Decennial Census Years, 1921-1983	33
19.	Deaths by Age and Sex with Rates and Percentages, Saskatchewan, 1983	33
20.	Leading Causes of Death in Each Age Group, Saskatchewan, 1983	34
21.	Deaths from Leading Causes by Sex, with Per Cent Distributions and Rates per 100,000 Population, Saskatchewan, 1982 and 1983	35
22.	Life Years Lost and Average Age of Decedents by Cause of Death, Saskatchewan, 1983	36
23.	Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1983	38
24.	Accidental and Violent Deaths by External Cause and Internal Cause, Saskatchewan, 1983	49
25.	Suicide by Province, 1978-1983	50
26.	Suicide by Age Group and Sex, Saskatchewan, 1961-1983	50
Infant Mortality		
27.	Distribution of Infant Deaths, by Age, Saskatchewan, 1983	53
28.	Infant Deaths by Sex and Age at Death, with Rates per 1,000 Live Births, Saskatchewan, 1983	53
29.	Infant Deaths by Selected Causes with Rates per 1,000 Live Births by Age at Death, Saskatchewan, 1983	54
30.	Infant Deaths from Specified Causes by Sex with Rates per 1,000 Live Births, Saskatchewan, 1983	56
31.	Infant Deaths from Specific Causes by Age at Death with Rates per 1,000 Live Births, Saskatchewan, 1983	57
Marriages and Divorces		
32.	Divorces and Annulments, Ratio to Marriages, and Rate per 100,000 Population, Saskatchewan, 1977-1983	59
33.	Marriages by Previous Marital Status of Bridegroom and Bride, Saskatchewan, 1983	59
34.	Bridegrooms and Brides by Age and Previous Marital Status, Saskatchewan, 1983	59
35.	Marriages by Religious Denominations of Bridegroom and Bride, Saskatchewan, 1983	60
36.	Marriages by Birthplace of Bridegroom and Bride, Saskatchewan, 1983	60
Life Expectancy		
37.	Life Expectancy, Saskatchewan, 1941, 1961, 1981	61
38.	Life Table for Saskatchewan in Shortened Form, 1981	62

List of Figures

		Page
1.	Health Region Map	20

Terms and Definitions

A summary of symbols, definitions, and the method of computing rates used in this report are given below.

Symbols:

n.a. figures not available
— nil or zero

Definitions:

Population — unless otherwise indicated, resident population as enumerated in census years or estimated for intercensal years.
— 1972-1975 — June 1 intercensal estimates.
— 1921-1971, 1976, 1981 — census or revised estimates.
— 1977-1980 — final postcensal estimate — June 1st.
— 1982-1983 — June 1 final postcensal estimates.

Births — unless otherwise indicated, infants born alive, i.e. excluding stillbirths.

Stillbirths — unless otherwise indicated, foetal deaths of 20 or more weeks' gestation.

Deaths — unless otherwise indicated, exclude stillbirths.

Infant deaths — deaths under 1 year of age.

Neonatal mortality — deaths under 28 days (4 weeks) of age.

Maternal mortality — deaths due to delivery and complications of pregnancy, childbirth and the puerperium (Categories 630-676 International List).

Perinatal mortality — foetal deaths of 20 or more weeks' gestation plus infant deaths under 7 days (1 week) of age.

Natural increase — excess of births over deaths.

Crude rates — birth, marriage, death and natural increase rates per 1,000 population.

Age-specific fertility rates — birth rate per 1,000 women in the respective age period.

Total fertility rates — sum of female age-specific fertility rates, multiplied by 5.

General fertility rates — birth rate per 1,000 women 15-49 years.

Gross reproduction — average number of live daughters that would be born to a hypothetical female birth cohort if subjected to current age-specific fertility rates, and assuming that mortality before age 50 is zero.

Total births — live births and stillbirths.

Years of Life Lost — number of years between age at death and mean life expectancy for that age.

Age — complete ages in years, months, etc.

Average age — arithmetic mean.

Median age — age above and below which half of the total events occur.

Rates

(unless otherwise indicated, computed as follows)

Live births: per 1,000 population.

Stillbirths: per 1,000 live births.

Deaths: per 1,000 population.

Infant: per 1,000 live births.

Neonatal: per 1,000 live births.

Maternal: per 1,000 live births.

Perinatal: per 1,000 total births.

Causes of death
All causes: per 100,000 population.

Infant: per 1,000 live births.

Marriages: per 1,000 population.

Divorces: per 100,000 population.

Natural increase: per 1,000 population.

Notes:

1. Causes of death are coded according to the 9th 1975 Revision of the International Classification of Diseases, Injuries and Causes of Death, which was put into effect on January 1, 1979.
2. Rates and percentages may not add to 100.0 due to rounding.
3. Inquiries about this publication should be addressed to:

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Introduction

Population

At the turn of the century, the first heavy settlement took place in Saskatchewan. This was a period of record migration from overseas, supplemented by a massive east-west movement on the continent itself. This trend, however, reversed during the 1930's. Low fertility and low mortality prevailed and the migration of people began in the opposite direction. After World War II, the fertility rate reversed from low to moderate while the mortality rate remained low. During the 1950's and 1960's, losses in population continued but the higher rate of natural increase counterbalanced these losses. Between 1968 and 1974, the population declined until the 1974 population was less than that of 1961. The population has since shown a marked increase.

Year	*Population (000's)*[1]
1921	757
1931	922
1941	896
1951	832
1961	925
1971	926
1981	968
1982	979
1983	993

[1] *Source — Statistics Canada.*

During the past 30 years, the proportion of older people (65 years and over) has been increasing both in Canada as a whole and in Saskatchewan.

Percentage Distribution of the Total Population

	Canada		*Saskatchewan*	
Age	*1978*	*1983*	*1978*	*1983*
0-19	34.4	30.6	36.1	33.3
20-44	37.4	40.3	32.9	36.0
45-64	19.2	19.1	19.7	18.4
65+	9.1	10.0	11.3	12.3

Males outnumber females in the population; however, the trend is toward a more equal distribution.

Percentage Distribution by Sex, Saskatchewan

Year	*Male*	*Female*	*Males per 100 Females*
1921	54.6	45.4	120
1931	54.2	45.8	119
1941	53.3	46.7	114
1951	52.2	47.8	109
1961	51.8	48.2	108
1971	50.8	49.2	103
1981	50.2	49.8	101
1982	50.2	49.8	101
1983	50.1	49.9	101

Births

During the 1920's and 1930's the birth rate was characterized by a declining trend and reached a record low in the late 1930's. Gradually rising during the war years, the rate turned sharply upward, culminating in the peak of 1947. After a dip in the late 1940's, a steady rise occurred until a new peak was reached in 1954. The birth rate had been decreasing until it reached its new record low of 16.4 in 1973. The year 1974 indicated a slight increase with the birth rate at 16.8, and by 1983 the rate had risen to 18.0 per 1,000 population.

Live Birth Rates per 1,000 Population, Canada and Provinces, 1983[1]

	Rate
Canada	15.0
Newfoundland	15.4
Prince Edward Island	15.4
Nova Scotia	14.4
New Brunswick	14.9
Quebec	13.5
Ontario	14.4
Manitoba	15.8
Saskatchewan	18.0
Alberta	19.4
British Columbia	15.2

[1] *Source — Statistics Canada.*

Stillbirths are near an all-time low.

Stillbirth Rates per 1,000 Live Births, Canada and Provinces, 1983[1]

	Rates Weeks Gestation	
	20+	*28+*
Canada	6.9	4.9
Newfoundland	7.0	5.4
Prince Edward Island	12.9	9.4
Nova Scotia	8.0	5.8
New Brunswick	6.6	5.3
Quebec	5.8	4.3
Ontario	7.2	5.2
Manitoba	6.6	4.9
Saskatchewan	7.0	5.5
Alberta	6.8	4.4
British Columbia	7.4	4.4

[1] *Source — Statistics Canada.*

Deaths

The current crude death rate of 7.7 per 1,000 population in Saskatchewan is higher than the 1921 crude death rate (7.4). However, the standardized (age adjusted) mortality rates show a marked improvement (5.0 in 1983) (Table 18). Since 1921, the average age of decedents has more than doubled. Saskatchewan's crude death rate is higher than that for Canada as a whole (7.7 and 7.0 respectively).

Death Rates per 1,000 Population, Canada and Provinces, 1983[1]

	Rate
Canada	7.0
Newfoundland	6.1
Prince Edward Island	8.5
Nova Scotia	8.2
New Brunswick	7.4
Quebec	6.8
Ontario	7.3
Manitoba	8.1
Saskatchewan	7.7
Alberta	5.4
British Columbia	7.0

[1] *Source — Statistics Canada.*

Growth of the older population brought prominence to those diseases which are associated with the conditions of middle and old age, namely the cardio-vascular and renal diseases, and cancer as the leading causes of death. Another leading cause of death, accidents, came into prominence as a result of reductions in mortality from infections and certain other diseases once considered fatal.

Although there have been small fluctuations in the rate of infant deaths per 1,000 live births, on the whole this rate has been decreasing steadily since the record high of 92 infant deaths per 1,000 live births in 1923.

Maternal mortality has been virtually eliminated in Saskatchewan, with just one maternal death occurring in 1983. The last maternal death occurred in 1979.

Natural Increase

During 1983, the net increase exceeded the natural increase in population, indicating net immigration to the province.

Marriages

During the 1930's, the marriage rate declined. A rise occurred during World War II, followed by a declining trend until 1962. The rate had been rising since 1962 until 1977 and 1978 which again showed a declining trend. The rate for 1983 remained the same as that of 1982.

Marriage Rate per 1,000 Population, Canada and Provinces, 1983

	Rate
Canada	7.4
Newfoundland	6.5
Prince Edward Island	7.6
Nova Scotia	7.6
New Brunswick	7.4
Quebec	5.5
Ontario	8.0
Manitoba	7.9
Saskatchewan	7.6
Alberta	9.0
British Columbia	8.4

Divorces and Annulments

A new federal Divorce Act came into force on July 2, 1968. Because of the more liberal divorce laws, the number of divorces more than doubled from 385 in 1968 to 881 in 1969. The divorce rate increased from 40 per 100,000 population in 1968 to 92 in 1969.

In 1983 there were 2,000 divorces and annulments in Saskatchewan, with a rate of 202 per 100,000 population. This was an increase over the 1982 rate of 185 per 100,000 population.

Table 1. Summary of Vital Statistics, Saskatchewan, 1978-1983

Item	1978	1979	1980	1981	1982	1983
Population (1,000's)	948	959	970	968	979	993
Live births	16,551	16,944	17,057	17,209	17,722	17,847
Rate*	17.5	17.7	17.6	17.8	18.1	18.0
Deaths	7,749	7,369	7,651	7,523	8,202	7,611
Rate*	8.2	7.7	7.8	7.8	8.4	7.7
Natural increase	8,802	9,575	9,406	9,686	9,520	10,236
Rate*	9.3	10.0	9.7	10.0	9.7	10.3
Gross reproduction rate	1.074	1.068	1.031	1.035	1.072	1.052
Infant deaths	236	194	193	203	186	180
Rate†	14.3	11.4	11.3	11.8	10.5	10.1
Neonatal deaths	151	121	102	112	113	103
Rate†	9	7	6	6.5	6.4	5.8
Perinatal deaths						
Based on 20+ weeks gestation period for stillbirths	274	242	222	230	231	216
Rate††	16	14	13	13	13	12
Based on 28+ weeks gestation period for stillbirths	234	212	186	196	195	188
Rate††	14	12	11	11	11	11
Stillbirths						
20+ weeks gestation	140	138	130	137	139	126
Rate†	8.5	8.1	7.6	8.0	7.8	7.1
28+ weeks gestation	99	108	91	103	103	98
Rate†	6.0	6.4	5.3	6.0	5.8	5.5
Marriages	7,135	7,261	7,561	7,325	7,491	7,504
Rate*	7.5	7.6	7.8	7.6	7.6	7.6
Divorces and annulments	1,428	1,528	1,836	1,932	1,815	2,000
Rate**	151	159	189	199	185	202

* *Rate per 1,000 population.*
† *Rate per 1,000 live births.*
†† *Rate per 1,000 total births (live births and stillbirths).*
** *Rate per 100,000 population.*

Table 2. Natural Increase and Actual Increase, Saskatchewan, 1961-1983

Year	Population	Live births	Deaths	Natural increase		Estimated actual increase	
				Number	Rate*	Number	Rate*
1961	925,181	23,994	7,107	16,887	18.3	10,181	11.0
1962	930,000	23,341	7,004	16,337	17.6	4,819	5.2
1963	933,000	23,543	7,441	16,102	17.2	3,000	3.2
1964	942,000	22,682	7,373	15,309	16.3	9,000	9.6
1965	950,000	20,494	7,417	13,077	13.8	8,000	8.4
1966	955,344	19,037	7,427	11,610	12.2	5,344	5.6
1967	957,000	17,993	7,441	10,552	11.0	1,656	1.7
1968	960,000	18,197	7,498	10,699	11.1	3,000	3.1
1969	958,000	17,592	7,492	10,100	10.5	−2,000	−2.1
1970	941,000	16,443	7,472	8,971	9.5	−17,000	−18.1
1971	926,242	16,054	7,413	8,641	9.3	−14,758	−15.9
1972	914,000	15,473	7,590	7,883	8.6	−12,242	−13.4
1973	904,500	14,806	7,646	7,160	7.9	−9,500	−10.5
1974	899,700	15,118	7,814	7,304	8.1	−4,800	−5.3
1975	907,400	15,265	7,672	7,593	8.4	7,700	8.5
1976	921,325	15,969	7,809	8,160	8.9	13,925	15.1
1977	937,000	16,547	7,593	8,954	9.6	15,675	16.7
1978	948,400	16,551	7,749	8,802	9.3	11,400	12.0
1979	959,000	16,944	7,369	9,575	10.0	10,600	11.0
1980	970,100	17,057	7,651	9,406	9.7	11,100	11.4
1981	968,310	17,209	7,523	9,686	10.0	−1,790	−1.8
1982	979,100	17,722	8,202	9,520	9.7	10,790	11.0
1983	992,700	17,847	7,611	10,236	10.3	13,600	13.7

* *Rate per 1,000 population.*

Table 3. Live Births and Deaths by Place of Occurrence and Place of Residence, Saskatchewan, 1983*

Item	Live births	Deaths
OCCURRING IN SASKATCHEWAN	**17,850**	**7,624**
Saskatchewan residents	17,484	7,463
Non-residents	366	161
— Canadian residents	357	150
— United States residents	4	8
— Other	5	3
OCCURRING TO SASKATCHEWAN RESIDENTS	**17,847**	**7,611**
In Saskatchewan	17,484	7,463
Elsewhere		
— In Canada	360	142
— In United States	3	6

* *Source — Statistics Canada.*

Table 4. Population of Saskatchewan by Age Groups and Sex, 1981-1983*

Age group	1981		1982		1983	
	Number	Per cent	Number	Per cent	Number	Per cent
	Both sexes					
All ages	968,310	100.0	979,100	100.0	992,700	100.0
0-4	81,425	8.4	82,800	8.5	83,800	8.4
5-9	77,410	8.0	78,200	8.0	78,900	7.9
10-14	79,775	8.2	79,400	8.1	79,600	8.0
15-19	94,945	9.8	91,900	9.4	88,200	8.9
20-24	89,050	9.2	89,900	9.2	92,300	9.3
25-29	81,250	8.4	84,100	8.6	86,700	8.7
30-34	67,270	6.9	69,200	7.1	72,200	7.3
35-39	51,540	5.3	55,200	5.6	58,300	5.9
40-44	45,525	4.7	46,300	4.7	47,500	4.9
45-49	45,225	4.7	44,700	4.6	44,600	4.5
50-54	47,290	4.9	47,000	4.8	46,500	4.7
55-59	47,250	4.9	46,700	4.8	46,900	4.7
60-64	44,190	4.6	44,700	4.6	44,900	4.5
65-69	39,575	4.1	40,200	4.1	40,600	4.1
70-74	30,535	3.2	31,400	3.2	32,300	3.3
75-79	21,430	2.2	22,200	2.3	23,200	2.3
80-84	13,095	1.4	13,500	1.4	14,300	1.4
85-89	7,435	0.8	7,500	0.8	7,500	0.8
90+	4,100	0.4	4,200	0.4	4,400	0.4
	Male					
All ages	486,075	100.0	490,700	100.0	497,100	100.0
0-4	41,745	8.6	42,500	8.7	43,100	8.7
5-9	39,460	8.1	39,800	8.1	40,200	8.1
10-14	41,060	8.4	40,800	8.3	40,800	8.2
15-19	48,270	9.9	47,000	9.6	45,200	9.1
20-24	44,920	9.2	45,300	9.2	46,300	9.3
25-29	41,480	8.5	42,600	8.7	43,800	8.8
30-34	34,320	7.1	35,400	7.2	36,900	7.4
35-39	26,205	5.4	28,000	5.7	29,700	6.0
40-44	22,905	4.7	23,300	4.7	24,000	4.8
45-49	22,910	4.7	22,600	4.6	22,500	4.5
50-54	23,810	4.9	23,700	4.8	23,500	4.7
55-59	23,430	4.8	23,200	4.7	23,200	4.7
60-64	21,475	4.4	21,600	4.4	21,800	4.4
65-69	19,115	3.9	19,300	3.9	19,400	3.9
70-74	14,645	3.0	15,000	3.1	15,200	3.1
75-79	10,030	2.1	10,200	2.1	10,600	2.1
80-84	5,680	1.2	6,000	1.2	6,400	1.3
85-89	3,020	0.6	2,900	0.6	2,900	0.6
90+	1,600	0.3	1,600	0.3	1,600	0.3

Table 4. Population of Saskatchewan by Age Groups and Sex, 1981-1983* (Continued)

Age group	1981		1982		1983	
	Number	Per cent	Number	Per cent	Number	Per cent
	Female					
All ages	482,235	100.0	488,400	100.0	495,600	100.0
0-4	39,680	8.2	40,300	8.3	40,700	8.2
5-9	37,950	7.9	38,400	7.9	38,700	7.8
10-14	38,715	8.0	38,600	7.9	38,800	7.8
15-19	46,680	9.7	45,000	9.2	43,000	8.7
20-24	44,130	9.2	44,700	9.2	45,900	9.3
25-29	39,775	8.2	41,500	8.5	42,900	8.7
30-34	32,950	6.8	33,800	6.9	35,300	7.1
35-39	25,335	5.3	27,100	5.5	28,600	5.8
40-44	22,620	4.7	23,000	4.7	23,500	4.7
45-49	22,310	4.6	22,100	4.5	22,100	4.5
50-54	23,475	4.9	23,300	4.8	23,000	4.6
55-59	23,820	4.9	23,500	4.8	23,700	4.8
60-64	22,715	4.7	23,100	4.7	23,100	4.7
65-69	20,460	4.2	20,900	4.3	21,200	4.3
70-74	15,890	3.3	16,500	3.4	17,100	3.5
75-79	11,405	2.4	12,000	2.5	12,600	2.4
80-84	7,420	1.5	7,500	1.5	7,900	1.6
85-89	4,410	0.9	4,600	0.9	4,600	0.9
90+	2,505	0.5	2,600	0.5	2,800	0.6

* *Columns may not add to totals due to rounding error.*

Source — 1981, 1982 and 1983: Statistics Canada Postcensal Population Estimates, Publication No. 91-202 and 91-210

Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1983

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Total for Province	968,310	17,847	7,611	180	103	126	216	7,504
Cities	462,093	8,812	3,546	91	63	61	116	4,666
Estevan	9,174	172	82	2	2	1	2	108
Lloydminster (Sask.)	6,034	172	29	1	—	2	2	51
Melfort	6,010	114	102	2	1	—	1	62
Melville	5,092	111	76	2	2	—	2	53
Moose Jaw	33,941	566	405	10	7	2	9	376
North Battleford	14,030	242	138	6	4	4	7	179
Prince Albert	31,380	582	240	4	1	6	7	346
Regina	162,613	3,102	988	37	27	24	47	1,368
Saskatoon	154,210	3,031	1,057	24	18	18	34	1,659
Swift Current	14,747	268	175	1	—	—	—	195
Weyburn	9,523	160	99	2	1	1	2	102
Yorkton	15,339	292	155	—	—	3	3	167
Towns	110,321	2,185	1,459	21	9	14	22	1,055
Assiniboia	2,924	43	48	—	—	—	—	40
Battleford	3,565	77	40	—	—	—	—	15
Biggar	2,561	59	35	—	—	1	1	29
Canora	2,667	31	54	—	—	—	—	21
Carlyle	1,074	42	18	—	—	—	—	13
Carnduff	1,043	16	24	—	—	—	—	5
Carrot River	1,169	26	19	—	—	—	—	18
Coronach	1,032	35	9	1	—	—	—	6
Creighton	1,636	36	4	1	—	—	—	—
Dalmeny	1,064	22	6	—	—	—	—	7
Davidson	1,166	19	14	2	2	—	2	11
Esterhazy	3,065	41	24	—	—	—	—	27
Eston	1,413	32	20	1	1	—	1	19
Foam Lake	1,452	16	33	—	—	1	1	13
Fort Qu'Appelle	1,827	50	28	—	—	—	—	16
Gravelbourg	1,338	26	19	—	—	—	—	26
Grenfell	1,307	30	23	1	—	—	—	8
Gull Lake	1,095	20	19	1	—	—	—	8
Herbert	1,019	15	19	—	—	—	—	11
Hudson Bay	2,361	65	14	—	—	1	1	27
Humboldt	4,705	89	54	—	—	1	1	42
Indian Head	1,889	35	33	—	—	1	1	11
Kamsack	2,688	33	32	2	—	—	—	26
Kelvington	1,054	13	23	—	—	—	—	19
Kerrobert	1,141	19	19	—	—	—	—	6
Kindersley	3,969	92	55	—	—	—	—	52
Kipling	1,016	19	23	—	—	—	—	5
La Ronge	2,579	130	12	1	—	1	1	16
Langenburg	1,324	23	27	—	—	—	—	11
Langham	1,151	22	5	1	1	—	1	6
Lanigan	1,732	40	12	—	—	—	—	17
Leader	1,108	15	9	—	—	—	—	10
Lumsden	1,303	26	12	—	—	—	—	8
Maidstone	1,001	21	11	—	—	—	—	6
Maple Creek	2,470	36	42	—	—	—	—	35
Martensville	1,966	74	8	2	1	2	3	9
Meadow Lake	3,857	99	37	1	—	1	1	50
Moosomin	2,579	44	40	—	—	—	—	28

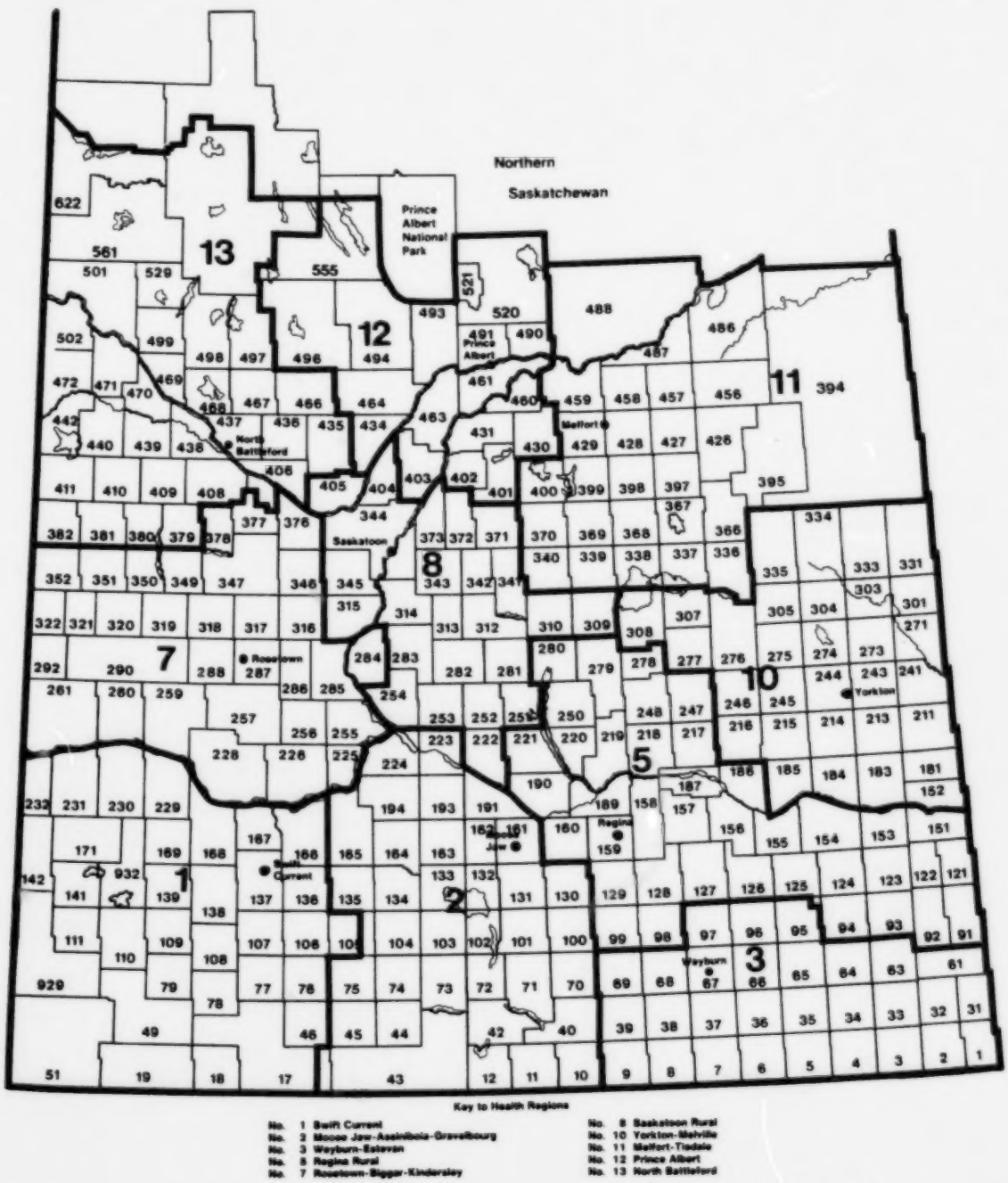
Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1983 (Continued)

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Nipawin	4,376	83	58	—	—	—	—	62
Outlook	1,976	30	26	1	1	—	1	21
Oxbow	1,191	23	14	—	—	—	—	16
Pilot Butte	1,255	37	3	—	—	—	—	3
Preeceville	1,243	9	29	—	—	—	—	18
Radville	1,012	23	13	1	1	—	—	10
Rosetown	2,664	46	41	—	—	—	—	27
Rosthern	1,609	25	22	—	—	1	1	13
Shaunavon	2,112	44	28	—	—	—	—	26
Shellbrook	1,228	21	20	2	1	—	1	27
Tisdale	3,107	51	43	—	—	1	1	35
Unity	2,408	37	41	—	—	—	—	27
Uranium City	2,748	13	2	2	1	—	1	—
Wadena	1,495	29	35	—	—	—	—	17
Wakaw	1,030	17	26	—	—	1	1	7
Warman	2,076	43	13	—	—	—	—	13
Watrous	1,830	29	34	—	—	—	—	8
Whitewood	1,003	26	18	—	—	—	—	12
Wilkie	1,501	35	28	—	—	1	1	15
Wynyard	2,147	33	41	1	—	1	1	21

* *Population at the time of the 1981 census.*

Health Regions

Figure 1. Health Region Map



Since Saskatchewan has no fixed political divisions corresponding to the counties of eastern Canada, census divisions have been used in the past for the presentation of statistical data for areas smaller than the province. These were designed to permit future subdivisions, if necessitated by population increases, without destroying comparability of information collected by earlier census counts.

In the meantime, certain demographic, economic and social patterns had begun to emerge in the province. For general public health purposes, vital statistics must be presented in a form which can be related to these patterns. With this in mind, commencing in 1954, the tabulations of vital statistics by health statistical areas was undertaken, in close collaboration with the Dominion Bureau of Statistics. These areas represented territorial divisions of the province, each one of which is served by one or two dominant urban centres. As of 1974, vital statistics are presented by Health Regions. The cities of Regina and Saskatoon, with their own health departments, and *Northern Saskatchewan* form separate reporting areas.

The presentation of data on births, deaths and marriages according to health regions enables medical health officers, and others engaged in administrative or epidemiological tasks, to relate these and all other relevant data in a meaningful way.

Births by Health Region

Birth rates for health regions in 1983 ranged from a high 31.2 per 1,000 population in the sparsely populated *Northern Saskatchewan* area to a low 13.9 in the Yorkton-Melville region. The Northern areas (North Battleford, Prince Albert and the *Northern Health Services*) and the largest cities (Regina and Saskatoon) have shown consistently high birth rates over the years with *Northern Saskatchewan* being the highest.

These high birth rates coupled with relatively low death rates have given the northern areas and the largest cities, rates of natural increase higher than other areas in the province.

Deaths by Health Region

In 1983, the Moose Jaw-Assiniboia-Gravelbourg region had the highest death rate (9.9 per 1,000 population). *Northern Saskatchewan* had the lowest rate (4.3 per 1,000 population). Deaths and rates by health regions are found in Table 7, page 22.

Table 6. Population of Health Regions, Saskatchewan, 1983

Health Regions	Population
Total for Province	**1,014,496**
No. 1 Swift Current	49,007
No. 2 Moose Jaw-Assiniboia-Gravelbourg	69,557
No. 3 Weyburn-Estevan	51,073
No. 5 Regina Rural	74,874
No. 7 Rosetown-Biggar-Kindersley	41,522
No. 8 Saskatoon Rural	48,775
No. 10 Yorkton-Melville	83,154
No. 11 Melfort-Tisdale	74,701
No. 12 Prince Albert	79,064
No. 13 North Battleford	81,035
Regina City	169,120
Saskatoon City	164,304
Northern Saskatchewan	28,310

Source: SHSP Covered Population

Table 7. Summary of Vital Statistics for Health Regions, Saskatchewan Residents, 1983

Health regions	Live births		Deaths		Natural increase		Marriages	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Total for province	17,847	17.6	7,611	7.5	10,236	10.1	7,504	7.4
No. 1 Swift Current	783	16.0	419	8.5	364	7.4	378	7.7
No. 2 Moose Jaw-Assiniboia-Gravelbourg	1,186	17.1	688	9.9	498	7.2	600	8.6
No. 3 Weyburn-Estevan	806	15.8	438	8.6	368	7.2	378	7.4
No. 5 Regina Rural	1,143	15.3	558	7.5	585	7.8	387	5.2
No. 7 Rosetown-Biggar-Kindersley	798	19.2	354	8.5	444	10.7	274	6.6
No. 8 Saskatoon Rural	875	17.9	279	5.7	596	12.2	218	4.5
No. 10 Yorkton-Melville	1,158	13.9	810	9.7	348	4.2	523	6.3
No. 11 Melfort-Tisdale	1,131	15.1	686	9.2	445	6.0	514	6.9
No. 12 Prince Albert	1,375	17.4	602	7.6	773	9.8	592	7.5
No. 13 North Battleford	1,575	19.4	611	7.5	964	11.9	516	6.4
City of Regina	3,102	18.3	988	5.8	2,114	12.5	1,368	8.1
City of Saskatoon	3,031	18.4	1,056	6.4	1,975	12.0	1,659	10.1
Northern Saskatchewan	884	31.2	122	4.3	762	26.9	97	3.4

Health regions	Infant deaths		Neonatal deaths		Stillbirths**		Perinatal deaths**	
	Number	Rate†	Number	Rate†	Number	Rate†	Number	Rate††
Total for province	180	10.1	103	5.8	126	7.1	216	12.0
No. 1 Swift Current	3	3.8	—	—	4	5.1	4	5.1
No. 2 Moose Jaw-Assiniboia-Gravelbourg	13	11.0	8	6.7	3	2.5	11	9.3
No. 3 Weyburn-Estevan	16	19.9	9	11.2	5	6.2	12	14.8
No. 5 Regina Rural	7	6.1	2	1.7	2	1.7	4	3.5
No. 7 Rosetown-Biggar-Kindersley	6	7.5	4	5.0	3	3.8	7	8.7
No. 8 Saskatoon Rural	12	13.7	8	9.1	8	9.1	15	17.0
No. 10 Yorkton-Melville	9	7.8	3	2.6	7	6.0	10	8.6
No. 11 Melfort-Tisdale	9	8.0	4	3.5	11	9.7	13	11.4
No. 12 Prince Albert	14	10.2	7	5.1	13	9.5	19	13.7
No. 13 North Battleford	19	12.1	8	5.1	16	10.2	23	14.5
City of Regina	37	11.9	27	8.7	24	7.7	47	15.0
City of Saskatoon	24	7.9	18	5.9	18	5.9	34	11.2
Northern Saskatchewan	11	12.4	5	5.7	12	13.6	17	19.0

* *Rate per 1,000 live population — Saskatchewan Hospital Services Plan Covered Population*
† *Rate per 1,000 live births.*
** *Based on 20+ weeks gestation.*
†† *Rate per 1,000 total births.*

Table 8. Selected Leading Causes of Death by Residence, Saskatchewan, 1983

Place of residence	Cause of death								
	All deaths	Heart diseases (A128-A148)	Malignant neoplasms (A37-A86)	Cerebro-vascular disease (A149-A155)	Accidents (AE234-AE263)	Pneumonia (A163-A167)	Certain causes of perinatal mortality (A229-A231)	Suicide and self-inflicted injury (A264-A270)	Other
Total for province	7,611	2,513	1,717	660	471	351	63	148	1,688
Cities* (with more than 5,000 population)	3,546	1,155	807	315	183	169	40	73	824
Estevan (3)	82	25	17	5	2	5	1	2	24
Melfort (11)	102	38	21	6	5	4	1	4	23
Melville (10)	76	21	19	10	3	3	1	–	19
Moose Jaw (2)	405	134	99	24	24	18	4	5	97
North Battleford (13)	138	39	33	17	5	5	2	3	34
Prince Albert (12)	240	71	50	24	19	7	1	6	62
Regina	988	319	245	85	42	42	18	17	220
Saskatoon	1,057	351	220	88	52	63	11	30	242
Swift Current (1)	175	53	33	27	5	9	–	3	45
Weyburn (3)	99	38	25	7	1	7	1	–	20
Yorkton (10)	155	52	41	20	3	5	–	3	31
Lloydminster (Sask.) (13)	29	13	4	2	2	1	–	–	7
Health regions (excluding cities)	4,065	1,358	910	345	308	182	23	75	864
No. 1 Swift Current	244	92	52	16	22	14	–	3	45
No. 2 Moose Jaw-Assiniboia-Gravelbourg	283	117	71	19	19	8	1	3	45
No. 3 Weyburn-Estevan	257	70	60	24	18	13	6	3	63
No. 5 Regina Rural	558	184	138	52	34	20	1	15	114
No. 7 Rosetown-Biggar-Kindersley	354	123	81	30	21	18	2	3	76
No. 8 Saskatoon Rural	278	90	70	25	21	10	4	4	54
No. 10 Yorkton-Melville	579	205	132	53	26	23	–	12	128
No. 11 Melfort-Tisdale	584	202	118	58	50	26	1	8	121
No. 12 Prince Albert	362	106	85	23	32	22	3	5	86
No. 13 North Battleford	444	145	88	38	40	19	3	12	99
Northern Saskatchewan	122	24	15	7	25	9	2	7	33

* *Health region number is given in parenthesis.*

Births

Birth Rate

There were 17,847 live births to Saskatchewan residents in 1983, resulting in a birth rate of 18.0 per 1,000 population.

Multiple Births

Multiple births in 1983 included 146 sets of twins and two sets of triplets. Six sets of twins included one stillborn infant and one set of twins were both stillborn. All of the triplets were liveborn.

Births in Hospitals

In 1983, 38 births did not occur in hospitals.

Births by Sex

Continuing a long-term trend, there were more male live births than female live births in 1983, numbering 9,042 and 8,805 respectively, a ratio of 1,027 male to 1,000 female live births.

Male Live Births per 1,000 Female Live Births	
1972	1,041
1973	1,044
1974	1,038
1975	1,024
1976	1,044
1977	1,055
1978	1,053
1979	1,052
1980	1,080
1981	1,070
1982	1,024
1983	1,027

Births Occurring to Single Mothers

There was an increase in the number of babies born to single mothers in 1983, numbering 3,386 compared to 3,227 in 1982. The single parent live births increased to 19.0 per cent of all births.

The average age of unmarried mothers was lower (21.3) than that of married mothers (26.1).

Stillbirths

The minimum gestational period for compulsory registration of foetal deaths was lowered from 28 weeks to 20 weeks in 1961 due to a change in the definition of stillbirth. Using this definition, there were 126 stillbirths in the province in 1983, giving a rate of 7.1 per 1,000 live births. Stillbirths occurred most frequently in the gestation periods of 20-27, 33-37 and 38-40 weeks. Males accounted for 50.0 per cent of total stillbirths. The average age of mothers bearing stillborn children was 26.2 years. The average age of mothers whose children were liveborn was 25.1 years.

Fertility Rates

The crude birth rate, i.e. the rate per 1,000 total population, is an inadequate measure of the rate at which the population is replacing itself because it is so much affected by changes in the age and sex composition of the population.

Almost all children born each year are to women between the ages of 15 and 49 — with very small numbers above and below these ages. Variations in the proportion of women of these ages to the total population will cause variations in the crude birth rates of different countries or even regions within a country or a province, even though the actual rates of reproduction or fertility of the women in those age groups are identical. It is therefore conventional to calculate an age specific fertility rate, i.e. an individual birth rate per 1,000 women in each of these reproductive age periods. The sum of these rates multiplied by five represents the "total fertility", that is, the number of births which 1,000 women would have throughout their lifetime, assuming no mortality, if they experienced at each age the fertility in effect during the period concerned.

From this in turn can be calculated a gross reproduction rate, which for a given year represents the average number of female infants that would be born to each woman who lived to reach the age of 50 if the fertility rates of a given year remained unchanged. When the gross reproduction rate falls below one, the women in the reproductive period of life are not having enough children to replace themselves, even if all their children lived to maturity.

Age Specific Fertility Rates, Saskatchewan, 1983

Age groups	*Rate per 1,000*
15-19	50.4
20-24	134.2
25-29	146.7
30-34	72.0
35-39	19.9
40-44	3.2
45-49	0.4
Total Fertility	2,134
Gross Reproduction Rate	1,052

Age of Parents

The average age of parents is determined by the interaction of several factors, the most important of which are age at marriage, the length of time between marriage and the arrival of the first child, and the spacing of additional children during the mother's reproductive period. The decreasing average age of parents has been caused by the combination of early marriage, closer spacing of children in young families, limiting of family size and limiting of reproduction to the early years of marriage.

In 1983, the average age of fathers was 28.4 years, of married mothers 26.1 years, and of unmarried mothers 21.3 years.

Birth Order

Thirty-eight per cent of all live births were first children and 66 per cent of the mothers of these first-born were under 25 years of age. 7.5 per cent of first-born infants were to mothers over 30 years of age. First, second, and third children made up 89 per cent of total births, and 51 per cent of these mothers were under 25 years of age. Average age of mothers for first-born infants for 1983 was 22.9 years.

Birth Weight

Birth weight information provides the number of immaturely-developed live deliveries, those which are exposed to a greater risk of death than a "mature" infant. The recommendations of the World Health Organization specify that infants of 2500 grams or less at birth (approximately 5 pounds, 8 ounces) be considered "immature".

The average weight of all infants born in 1983 was 3416.8 grams. There is a direct relationship between the age of mother and birth weight. The proportion of "immature" births by age of mother reveals that a mother has a greater chance of delivering an "immature" foetus at less than 20 years or over 40 years of age than at any other age in the reproductive period. This data is illustrated on page 28, table no. 13.

There is also a relationship between the weight of the foetus and period of gestation. Of the 3.1 per cent of children born in 1983 at less than 36 weeks gestation, 76.5 per cent were "immature". Of those born in the period of 36 to 39 weeks, 7.1 per cent were classified as "immature" and of those born after 40 weeks gestation only 1.0 per cent weighed 2500 grams or less. This data is illustrated on page 29, table no. 14.

Table 9. Stillbirths by Sex and Period of Gestation, Saskatchewan, 1983

Period of gestation (weeks)	Number			Per cent distribution		
	Total	Male	Female	Total	Male	Female
Total	126	63	63	100.0	50.0	50.0
20-27	28	14	14	22.2	50.0	50.0
28-32	23	8	15	18.3	34.8	65.2
33-37	33	19	14	26.2	57.6	42.4
38-40	35	19	16	27.8	54.3	45.7
41+	7	3	4	5.6	42.9	57.1

Table 10. Live Births and Stillbirths by Age of Mother, Saskatchewan, 1983*

Age group	All births		Type of birth			
			Live births		Stillbirths	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	17,973	100.0	17,847	100.0	126	100.0
Under 20	2,216	12.3	2,195	12.3	21	16.7
20-24	6,190	34.4	6,162	34.5	28	22.2
25-29	6,341	35.3	6,294	35.3	47	37.3
30-34	2,560	14.2	2,542	14.2	18	14.3
35-39	579	3.2	570	3.2	9	7.1
40-44	79	0.4	76	0.4	3	2.4
45-49	8	**	8	**	—	—
Average age		25.1		25.1		26.2
Median age		25.0		25.0		26.0

* *This table shows the number of births and stillbirths occuring to mothers in these age groups, and not the actual number of mothers in each group, as not all births were single births.*

** *Less than 0.1 per cent.*

Table 11. Live Births by Age of Parent, Saskatchewan, 1983*

Age group	Fathers		Married mothers		Unmarried mothers	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	17,847	100.0	14,246	100.0	3,601	100.0
Under 20	2,700	15.1	651	4.6	1,544	42.9
20-24	3,349	18.8	4,840	34.0	1,322	36.7
25-29	6,217	34.8	5,796	40.7	498	13.8
30-34	3,750	21.0	2,359	16.6	183	5.1
35-39	1,285	7.2	525	3.7	45	1.2
40-44	366	2.1	67	0.5	9	0.2
45-49	111	0.6	8	**	–	–
50†	69	0.4	–	–	–	–
Average age†		28.4		26.1		21.3
Median age†		28.0		26.0		20.0

* *This table shows the number of live births occuring to parents in these age groups, and not the actual number of parents in each age group, as not all births were single births.*

† *Average and median ages were calculated using single year age groups.*

** *Less than 0.05 per cent.*

Table 12. Live Births by Age of Mother and Order of Birth, Saskatchewan, 1983

Order of birth	Age of mother									
	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total	17,847	26	2,169	6,162	6,294	2,542	570	76	8	–
1st child	6,840	26	1,691	2,777	1,833	428	78	6	1	–
2nd child	5,805	–	415	2,225	2,257	778	121	7	2	–
3rd child	3,199	–	58	848	1,428	709	141	15	–	–
4th child	1,237	–	5	236	512	368	103	13	–	–
5th child	396	–	–	57	164	118	44	12	1	–
6th child	175	–	–	16	55	66	31	7	–	–
7th child	105	–	–	3	38	38	20	6	–	–
8th child	32	–	–	–	4	16	12	–	–	–
9th child	21	–	–	–	3	10	4	3	1	–
10th child	15	–	–	–	–	7	3	4	1	–
11th child	4	–	–	–	–	2	2	–	–	–
12th child	6	–	–	–	–	1	5	–	–	–
13th child	4	–	–	–	–	1	3	–	–	–
14th child	1	–	–	–	–	–	1	–	–	–
15th child	2	–	–	–	–	–	1	1	–	–
16th child	3	–	–	–	–	–	1	1	1	–
18th child	1	–	–	–	–	–	–	1	–	–
Not stated	1	–	–	–	–	–	–	–	1	–

Table 13. Live Births by Age of Mother and Birth Weight, Saskatchewan, 1983

Birth weight			Age of mother							
Gram intervals	Equivalent in lbs./oz.	Total	-20 years	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total		17,847	2,195	6,162	6,294	2,542	570	76	8	—
500 or less	1/1 or less	13	—	6	4	3	—	—	—	—
501-750	1/2-1/10	17	3	8	1	2	1	2	—	—
751-1,000	1/11-2/3	34	6	17	8	2	1	—	—	—
1,001-1,250	2/4-2/12	32	6	15	7	3	1	—	—	—
1,251-1,500	2/13-3/4	53	8	19	14	7	5	—	—	—
1,501-1,750	3/5-3/13	75	10	36	20	5	4	—	—	—
1,751-2,000	3/14-4/6	123	22	38	40	16	4	1	2	—
2,001-2,250	4/7-4/15	169	24	59	46	27	10	3	—	—
2,251-2,500	5/0-5/8	401	51	152	130	59	8	—	1	—
Total 2,500 or less	5/8 or less	917	130	350	270	124	34	6	3	—
2,501-2,750	5/9-6/1	863	142	329	262	98	29	3	—	—
2,751-3,000	6/2-6/9	1,591	201	577	555	199	48	10	1	—
3,001-3,250	6/10-7/2	2,912	370	1,032	1,012	398	90	10	—	—
3,251-3,500	7/3-7/11	3,596	424	1,293	1,303	464	98	12	2	—
3,501-3,750	7/12-8/4	3,372	421	1,118	1,189	524	102	18	—	—
3,751-4,000	8/5-8/13	2,280	252	768	823	349	78	9	1	—
4,001-4,250	8/14-9/6	1,287	147	391	497	205	41	6	—	—
4,251-4,500	9/7-9/14	628	68	200	222	109	28	1	—	—
4,501-4,750	9/15-10/7	272	28	65	111	50	16	1	1	—
4,751-5,000	10/8-11/0	78	6	23	33	13	3	—	—	—
5,001-5,250	11/1-11/9	33	4	9	12	6	2	—	—	—
5,251-5,500	11/10-12/2	12	—	4	5	2	1	—	—	—
5,501-5,750	12/3-12/10	4	1	3	—	—	—	—	—	—
5,751-6,000	12/11-13/3	1	—	—	—	1	—	—	—	—
Total 2,501+	over 5/8	16,929	2,064	5,812	6,024	2,418	536	70	5	—
Not stated		1	1	—	—	—	—	—	—	—
Per cent of total		100.0	12.3	34.5	35.3	14.2	3.2	0.4	*	—
Per cent 2,500 grams or less		5.1	5.9	5.7	4.3	4.9	6.0	7.9	37.5	—
Average weight (grams)		3,416.8	3,369.8	3,380.3	3,448.3	3,467.6	3,436.5	3,329.9	3,034.3	—
Median weight (grams)		3,430.0	3,402.0	3,402.0	3,458.0	3,490.0	3,458.0	3,473.5	3,140.0	—

* *Less than 0.05 per cent.*

Table 14. Live Births by Period of Gestation and Birth Weight, Saskatchewan, 1983

Birth weight			Period of gestation							
Gram intervals	Equivalent in lbs./oz.	Total	-20 weeks	20-23	24-27	28-31	32-35	36-39	40+	Not stated
Total		17,847	2	13	47	130	370	5,243	12,042	–
500 or less	1/1 or less	13	2	9	2	–	–	–	–	–
501-750	1/2-1/10	17	–	3	12	1	1	–	–	–
751-1,000	1/11-2/3	34	–	1	20	11	2	–	–	–
1,001-1,250	2/4-2/12	32	–	–	5	25	1	1	–	–
1,251-1,500	2/13-3/4	53	–	–	6	34	9	3	1	–
1,501-1,750	3/5-3/13	75	–	–	2	31	32	8	2	–
1,751-2,000	3/14-4/6	123	–	–	–	17	51	46	9	–
2,001-2,250	4/7-4/15	169	–	–	–	4	69	82	14	–
2,251-2,500	5/0-5/8	401	–	–	–	2	78	231	90	–
Total 2,500 or less	5/8 or less	917	2	13	47	125	243	371	116	–
2,501-2,750	5/9-6/1	863	–	–	–	4	55	462	342	–
2,751-3,000	6/2-6/9	1,591	–	–	–	1	35	756	799	–
3,001-3,250	6/10-7/2	2,912	–	–	–	–	13	1,063	1,836	–
3,251-3,500	7/3-7/11	3,596	–	–	–	–	12	1,065	2,519	–
3,501-3,750	7/12-8/4	3,372	–	–	–	–	6	791	2,575	–
3,751-4,000	8/5-8/13	2,280	–	–	–	–	4	446	1,830	–
4,001-4,250	8/14-9/6	1,287	–	–	–	–	2	170	1,115	–
4,251-4,500	9/7-9/14	528	–	–	–	–	–	76	552	–
4,501-4,750	9/15-10/7	272	–	–	–	–	–	29	243	–
4,751-5,000	10/8-11/0	78	–	–	–	–	–	9	69	–
5,001-5,250	11/1-11/9	33	–	–	–	–	–	2	31	–
5,251-5,500	11/10-12/2	12	–	–	–	–	–	2	10	–
5,501-5,750	12/3-12/10	4	–	–	–	–	–	–	4	–
5,751-6,000	12/11-13/3	1	–	–	–	–	–	–	1	–
Total 2,501+	over 5/8	16,929	–	–	–	5	127	4,871	11,926	–
Not stated		1	–	–	–	–	–	1	–	–
Per cent of total		100.0	*	0.1	0.3	0.7	2.1	29.4	67.5	–
Per cent 2,500 grams or less		5.1	100.0	100.0	100.0	96.2	65.7	7.1	1.0	–
Average weight (grams)		3,416.8	225.0	450.2	911.7	1,507.3	2,350.5	3,238.0	3,561.6	–
Median weight (grams)		3,430.0	225.0	410.0	860.0	1,474.0	2,330.0	3,240.0	3,543.0	–

* *Less than 0.05 per cent.*

Table 15. Live Births by Marital Status and Birth Weight for Mothers Under 20, Saskatchewan, 1983

Gram Intervals	Marital Status				
	Single	Married	Divorced	Not Stated	Total
Total	**1,541**	**651**	**2**	**1**	**2,195**
500 or less	—	—	—	—	—
501 - 750	3	—	—	—	3
751 - 1,000	3	3	—	—	6
1,001 - 1,250	5	1	—	—	6
1,251 - 1,500	4	4	—	—	8
1,501 - 1,750	9	1	—	—	10
1,751 - 2,000	16	6	—	—	22
2,001 - 2,250	15	9	—	—	24
2,251 - 2,500	35	16	—	—	51
Total 2,500 or less	**90**	**40**	**—**	**—**	**130**
2,501 - 2,750	100	42	—	—	142
2,751 - 3,000	140	60	1	—	201
3,001 - 3,250	255	115	—	—	370
3,251 - 3,500	305	119	—	—	424
3,501 - 3,750	299	121	—	1	421
3,751 - 4,000	170	82	—	—	252
4,001 - 4,250	108	38	1	—	147
4,251 - 4,500	48	20	—	—	68
4,501 - 4,750	18	10	—	—	28
4,751 - 5,000	7	4	—	—	11
Not Stated	1	—	—	—	1

Table 16. Live Births by Marital Status and Gestation for Mothers Under 20, Saskatchewan, 1983

Gestation	Marital Status				
	Single	Married	Divorced	Not Stated	Total
20 weeks	—	—	—	—	—
21 weeks	—	—	—	—	—
22 weeks	—	—	—	—	—
23 weeks	—	—	—	—	—
24 weeks	3	—	—	—	3
25 weeks	—	—	—	—	—
26 weeks	1	1	—	—	2
27 weeks	3	2	—	—	5
28 weeks	3	2	—	—	5
29 weeks	—	—	—	—	—
30 weeks	5	2	—	—	7
31 weeks	7	2	—	—	9
32 weeks	9	1	—	—	10
33 weeks	8	2	—	—	10
34 weeks	15	3	—	—	18
35 weeks	22	6	—	—	28
36 weeks	53	16	1	—	70
37 weeks	62	29	—	—	91
38 weeks	152	51	—	—	203
39 weeks	189	97	—	—	286
40 weeks	680	284	1	1	966
Over 40 weeks	329	153	—	—	482
Total	**1,541**	**651**	**2**	**1**	**2,195**

Mortality

In 1983 death claimed 7,611 Saskatchewan residents constituting a crude death rate of 7.7 per 1,000 population.

Deaths by occurrence within the province amounted to 7,624. Of this total, 7,463 decedents were residents of Saskatchewan and 161 were non-residents. Deaths of Saskatchewan residents occurring outside the province numbered 148.

Age-Sex Mortality

Age specific death rates generally form the following pattern. Beginning with a high rate for infants, the rate drops to a minimum at the 5 to 14 age group then rises in each subsequent age group.

As in past years, the male death rate (9.0 per 1,000 population) exceeded the female rate (6.4 per 1,000 population) in 1983 (based on Statistics Canada population estimates). The difference in mortality rates between the sexes is more pronounced with the advancement of age.

In 1983, 2.6 per cent of all male deaths occurred in the under 5 age group, 27.0 per cent in the 5 to 64 age groups and 70.3 per cent in the 65 and over age group. Of female deaths, 2.9 per cent occurred in the under 5 age group, 19.4 per cent between the ages of 5 and 64, and 77.7 per cent in the 65 and over group.

Table 17. Age Specific Death Rates (per 1,000 Population), Saskatchewan, 1973-1983*

Year	All ages	Age group					
		Under 5	5-14	15-24	25-44	45-64	65+
1973	8.5	4.3	0.4	1.4	1.5	7.6	54.6
1974	8.7	5.2	0.5	1.4	1.8	7.4	55.1
1975	8.5	4.6	0.4	1.4	1.7	7.5	53.0
1976	8.5	3.8	0.4	1.4	1.8	8.0	52.5
1977	8.1	4.0	0.4	1.6	1.6	7.0	50.3
1978	8.2	3.9	0.5	1.3	1.6	7.3	50.2
1979	7.7	3.2	0.4	1.4	1.6	7.1	46.3
1980	7.8	2.9	0.3	1.2	1.4	7.1	47.8
1981	7.8	3.1	0.4	1.2	1.4	7.1	46.1
1982	8.4	2.6	0.3	1.3	1.3	7.7	50.0
1983	7.7	2.5	0.3	1.1	1.3	6.6	45.7

* *Rates were calculated using Statistics Canada population estimates.*

Standardized (Age Adjusted) Death Rates

Analysis of mortality based on comparisons of crude death rates may prove to be unsatisfactory due to changes in the age composition of the population. A larger older population increases the risk of death, which will be reflected in the crude death rate. This factor may be corrected by determining what the mortality rate would have been had the age composition of the population remained constant over a series of years. Mortality rates are thus "standardized" to an arbitrary standard population, usually to the population in one particular year. The rates in Table 18 are standardized to the 1956 Saskatchewan census population.

Comparing the 1983 Saskatchewan crude death rate of 7.7 to the 1921 death rate of 7.4, there seems to be a deterioration. However, by "standardizing" (i.e. assuming that the age distribution of the population both in 1921 and 1983 was the same as in 1956), the results show a marked improvement since 1921, the standardized death rates being 10.4 in that year and 5.0 in 1983.

Since 1921 the standardized death rate has been decreasing for both sexes. Female rates have decreased more rapidly, however, and over the years the gap between male and female rates has widened. In 1921, the standardized death rate for males was 10.5 per 1,000 population and for females 10.3. The 1983 figures are 6.3 per 1,000 population for males, and 3.8 for females.

Deaths in Hospitals

There were 5,313 deaths in hospitals in 1983 in the province as a whole (69.8 per cent). This is a slightly lower proportion than the 1982 level of 70.3 per cent.

Leading Causes of Death

There is a varying impact of diseases on the different stages of the life span. Diseases peculiar to early infancy, congenital anomalies and pneumonia are main causes of death in infancy, while accidents take the greatest toll in childhood and young adult groups. Heart diseases and cancer become the major causes of death to persons in the middle and older ages.

In 1983, the average life years lost per decedent were 16.20 for males and 16.28 for females.

Heart diseases were the leading cause of death in terms of life years lost, making up 23.1 per cent of the total. They were also highest in actual number of deaths, accounting for over one-third of the total. Malignant neoplasms were the second highest cause of life years lost, and second highest in actual number of deaths. Transport accidents were third highest in terms of life years lost.

Heart Disease

The proportion of older people in the population is increasing rapidly as a result of the lengthening life span. Since heart diseases are associated with the conditions of middle and old age, mortality from heart diseases have become a major cause of death.

Heart diseases accounted for 2,514 deaths in Saskatchewan in 1983 (247.8 per 100,000 population). (Rates referred to in this section were calculated using the SHSP covered population). This is a decrease in number and a decrease in rate from 1982.

Thirty-three per cent of all deaths in the province in 1983 were caused by heart diseases. Ischaemic heart disease was the leading cause of death in the 65 and over age group, and the second leading cause of death in the 45-64 age group, accounting for 28.5 and 23.4 per cent of deaths respectively. Of the total deaths due to heart diseases, 14.0 per cent were to persons in the 45-64 age group and 84.1 per cent in the 65 and over age group. Thus, almost all deaths caused by heart diseases (98.1 per cent) occurred to persons 45 years of age and over.

Ischaemic heart disease accounted for 75.8 per cent of total heart diseases, a rate of 187.7 per 100,000 population. Death rates from chronic rheumatic heart disease, hypertensive disease, and other forms of heart disease were 3.2, 6.6 and 50.3 per 100,000 population, respectively.

The male death rate from heart diseases (287.1) continued to be much higher than the female rate (208.1) with also a large difference in ischaemic heart disease, males (227.7) and females (147.2).

Malignant Neoplasms (Cancer)

As in the case of heart diseases, cancer remains a leading cause of death because of the increase of older persons in the population. This disease was the second leading cause of death in 1983. The proportion (22.6 per cent of total deaths) was slightly higher than in 1982. The number (1,717) and the rate (169.2 per 100,000 population) were lower than in 1982. (Rates referred to in this section were calculated using the SHSP covered population).

Of the total deaths from cancer in Saskatchewan, 26.1 per cent were in the 45-64 age group and 69.2 per cent in the 65 plus group.

There was a decrease in the male cancer mortality rate from 212.1 in 1982 to 204.8 in 1983 and a decrease in the female rate from 158.3 in 1982 to 133.4 in 1983. More males die from cancer of trachea, bronchus and lungs, and more females die from breast cancer, than any other form.

Accidents and Violence

There were 471 deaths due to accidents in 1983 compared with 534 in 1982, with the rate per 100,000 population showing a decrease to 46.4 in 1983 from 53.4 in 1982. (Rates referred to in this section were calculated using the SHSP covered population). The proportion of accidental deaths to all deaths decreased to 6.2 per cent from 6.5 per cent in 1982.

Accidents were a leading cause of death in all age groups from 1-64. Transport accidents were the leading cause of death in the age groups 1-14 years, 15-24 years, 25-44 years, and 45-64 years.

The male accident rate was much higher than the female rate (66.3 and 26.4 per 100,000 population respectively).

The number of suicides in Saskatchewan in 1983 decreased to 148, giving a rate of 14.6 per 100,000 population.

Nearly one-third of all suicides in Saskatchewan were in the 15-24 age group; 82.4 per cent of all suicides were men.

Deaths from homicide and legal intervention totalled 29 in Saskatchewan in 1983. Of these victims twenty were males and nine were females.

Table 18. Standardized* Mortality Rates for Saskatchewan, Decennial Census Years, 1921-83†

Year	Both sexes	Male	Female
1921	10.4	10.5	10.3
1931	10.0	10.0	10.0
1941	9.2	9.6	8.7
1951	7.8	8.4	7.1
1961	6.7	7.8	5.3
1971	5.9	7.3	4.5
1981	5.2	6.6	3.9
1982	5.5	6.9	4.1
1983	5.0	6.3	3.8

* *Standardized to the 1956 Saskatchewan census population.*
† *Source-Statistics Canada.*

Table 19. Deaths by Age and Sex with Rates and Percentages, Saskatchewan, 1983

	Number			Rate per 1,000 population*			Per cent		
Age	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total	7,611	4,455	3,156	7.5	8.7	6.3	100.0	100.0	100.0
<1	180	96	84	10.9	11.6	10.3	2.4	2.2	2.7
1-4	31	22	9	0.5	0.6	0.3	0.4	0.5	0.3
5-9	27	16	11	0.3	0.4	0.3	0.4	0.4	0.3
10-14	27	16	11	0.3	0.4	0.3	0.4	0.4	0.3
15-19	77	54	23	0.9	1.2	0.5	1.0	1.2	0.7
20-24	119	98	21	1.2	1.9	0.4	1.6	2.2	0.7
25-29	76	56	20	0.8	1.2	0.4	1.0	1.3	0.6
30-34	80	54	26	1.1	1.4	0.7	1.1	1.2	0.8
35-39	92	61	31	1.6	2.0	1.1	1.2	1.4	1.0
40-44	106	71	35	2.2	2.9	1.5	1.4	1.6	1.1
45-49	138	86	52	3.1	3.8	2.3	1.8	1.9	1.6
50-54	234	153	81	5.0	6.5	3.5	3.1	3.4	2.6
55-59	361	230	131	7.6	9.9	5.5	4.7	5.2	4.2
60-64	479	309	170	10.6	14.1	7.3	6.3	6.9	5.4
65-69	755	494	261	18.7	25.5	12.4	9.9	11.1	8.3
70-74	928	603	325	29.0	39.9	19.2	12.2	13.5	10.3
75-79	1,098	665	433	47.1	62.0	34.4	14.4	14.9	13.7
80-84	1,036	599	437	72.9	95.4	55.1	13.6	13.4	13.8
85-89	894	408	486	117.3	138.3	104.0	11.7	9.2	15.4
90+	873	364	509	199.9	226.5	184.4	11.5	8.2	16.1

* *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1983.*

Table 20. Leading Causes of Death in Each Age Group, Saskatchewan, 1983

Age group and cause of death	Deaths in specified age groups		Deaths at all ages from specified causes	
	Number	Percent	Number	Per cent in specified age group
Under 1 year	180	100.0	–	–
B45 Conditions in perinatal period	63	35.0	63	100.0
B44 Congenital anomalies	54	30.0	73	74.0
B46 Symptoms and ill-defined conditions	19	10.6	51	37.3
B32 Other diseases of respiratory system	17	9.4	718	2.4
Other	27	15.0	–	–
1-4 years	31	100.0	–	–
B22 Diseases of the nervous system	5	16.1	119	4.2
BE47 Transport accidents	5	16.1	242	2.1
BE55 Homicide and intentional injury	2	6.5	29	6.9
BE52 Other accidents, late effects	6	19.4	99	6.1
B34 Other parts of digestive system	2	6.5	308	0.6
B44 Congenital anomalies	5	16.1	73	6.8
BE51 Accidents caused by fires/flames	5	16.1	31	16.1
Other	1	3.2	–	–
5-14 years	54	100.0	–	–
BE47 Transport accidents	18	33.3	242	7.4
B08-B14 Malignant neoplasms	4	7.4	1,717	0.2
BE52 Other accidents, late effects	8	14.8	99	8.1
BE51 Accidents caused by fires/flames	4	7.4	31	12.9
B22 Diseases of the nervous system	3	5.6	119	2.5
B32 Other Diseases of respiratory system	3	5.6	718	0.4
Other	14	25.9	–	–
15-24 years	196	100.0	–	–
BE47 Transport accidents	76	38.8	242	31.4
BE54 Suicide and self-inflicted injury	33	16.8	148	22.3
B08-B14 Malignant neoplasms	15	7.7	1,717	0.9
BE52 Other accidents, late effects	16	8.2	99	16.2
BE55 Homicide and intentional injury	10	5.1	29	34.5
Other	46	23.5	–	–
25-34 years	156	100.0	–	–
BE54 Suicide and self-inflicted injury	31	19.9	148	20.9
BE47 Transport accidents	44	28.2	242	18.2
B08-B14 Malignant neoplasms	15	9.6	1,717	0.9
BE52 Other accidents, late effects	12	7.7	99	12.1
Other	54	34.6	–	–
35-44 years	198	100.0	–	–
B08-B14 Malignant neoplasms	44	22.2	1,717	2.6
BE47 Transport accidents	29	14.6	242	12.0
B27 Ischaemic heart disease	26	13.1	1,904	1.4
B34 Other parts of digestive system	12	6.1	308	3.9
BE54 Suicide and self-inflicted injury	22	11.1	148	14.9
BE52 Other accidents, late effects	10	5.1	99	10.1
Other	55	27.8	–	–
45-64 years	1,212	100.0	–	–
B08-B14 Malignant neoplasms	448	37.0	1,717	26.1
B27 Ischaemic heart disease	284	23.4	1,904	14.9
B34 Other parts of digestive system	66	5.4	308	21.4
Other	414	34.2	–	–
65+	5,584	100.0	–	–
B27 Ischaemic heart disease	1,591	28.5	1,904	83.6
B08-B14 Malignant neoplasms	1,188	21.3	1,717	69.2
B32 Other diseases of respiratory system	627	11.2	718	87.3
B29 Cerebrovascular disease	597	10.7	660	90.5
B28 Pulmonary and other heart disease	445	8.0	510	87.3
Other	1,136	20.3	–	–

Table 21. Deaths from Leading Causes by Sex, with Per Cent Distribution and Rates Per 100,000 Population, Saskatchewan, 1982 and 1983

Causes of death ("B" List—9th Revision)	Number		Per cent		Rate*	
	1982	1983	1982	1983	1982	1983
	Both sexes					
All causes of death	8,202	7,611	100.0	100.0	819.7	750.2
B27 Ischaemic heart disease	2,101	1,904	25.6	25.0	210.0	187.7
B08-B14 Malignant neoplasms	1,792	1,717	21.8	22.6	179.1	169.2
B32 Other diseases of respiratory system	764	718	9.3	9.4	76.3	70.8
B29 Cerebrovascular disease	732	660	8.9	8.7	73.2	65.1
B28 Pulmonary and other heart disease	522	510	6.4	6.7	52.2	50.3
B34 Other parts of digestive system	337	308	4.1	4.0	33.7	30.4
BE47 Transport accidents	271	242	3.3	3.2	27.1	23.9
B30 Other diseases of circulatory system	264	257	3.2	3.4	26.4	25.3
BE54 Suicide and self-inflicted injury	171	148	2.1	1.9	17.1	14.6
B18 Endocrine and metabolic diseases	170	173	2.1	2.3	17.0	17.1
	Male					
All causes of death	4,854	4,455	100.0	100.0	964.8	873.8
B27 Ischaemic heart disease	1,340	1,161	27.6	26.1	266.4	227.7
B08-B14 Malignant neoplasms	1,029	1,044	21.2	23.4	204.5	204.8
B32 Other diseases of respiratory system	472	449	9.7	10.1	93.8	88.1
B29 Cerebrovascular disease	360	287	7.4	6.4	71.6	56.3
B28 Pulmonary and other heart disease	282	262	5.8	5.9	56.1	51.4
BE47 Transport accidents	207	184	4.3	4.1	41.1	36.1
B34 Other parts of digestive system	166	180	3.4	4.0	33.0	35.3
B30 Other diseases of circulatory system	151	136	3.1	3.1	30.0	26.7
BE54 Suicide and self-inflicted injury	146	122	3.0	2.7	29.0	23.9
BE52 Other accidents, late effects	83	83	1.7	1.9	16.5	16.3
	Female					
All causes of death	3,348	3,156	100.0	100.0	672.9	625.4
B08-B14 Malignant neoplasms	763	673	22.8	21.3	153.3	133.4
B27 Ischaemic heart disease	761	743	22.7	23.5	152.9	147.2
B29 Cerebrovascular disease	372	373	11.1	11.8	74.8	73.9
B32 Other diseases of respiratory system	292	269	8.7	8.5	58.7	53.3
B28 Pulmonary and other heart disease	240	248	7.2	7.9	48.2	49.1
B34 Other parts of digestive system	171	128	5.1	4.1	34.4	25.4
B30 Other diseases of circulatory system	113	121	3.4	3.8	22.7	24.0
B18 Endocrine and metabolic diseases	88	90	2.6	2.9	17.7	17.8
BE47 Transport accidents	64	58	1.9	1.8	12.9	11.5
B35 Diseases of urinary system	59	53	1.8	1.7	11.9	10.5

* *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1982 and 1983.*

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1983

Cause of death ("B" List-9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedent	
	Number			Per cent					
	Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
2 Tuberculosis	54.62	35.22	19.40	64.48	35.52	62.50	87.43	17.61	6.47
3 Other bacterial diseases	152.55	134.62	17.93	88.25	11.75	72.45	67.50	12.24	17.93
4 Viral diseases	322.87	74.63	248.24	23.11	76.89	40.00	49.64	37.31	35.46
7 Other infectious, parasitic diseases	78.37	52.19	26.18	66.59	33.41	70.00	57.50	13.05	26.18
8 Malignant neoplasm of lip, oral cavity, pharynx	432.91	275.20	157.71	63.57	36.43	64.13	71.74	18.35	15.77
9 Malignant neoplasm of digestive organs, peritoneum	7,237.41	3,918.31	3,319.10	54.14	45.86	71.76	72.67	12.64	15.23
10 Malignant neoplasm of respiratory and related organs	5,836.15	4,438.62	1,397.53	76.05	23.95	69.71	64.26	13.78	21.50
11 Malignant neoplasm of bone, skin, breast	3,494.71	608.29	2,886.42	17.41	82.59	52.93	66.06	27.65	20.18
12 Malignant neoplasm of genitourinary organs	4,264.68	2,329.36	1,935.32	54.62	45.38	74.77	70.27	10.94	16.68
13 Malignant neoplasm of other and unspecified sites	2,035.30	1,088.12	947.18	53.46	46.54	66.18	71.93	16.74	16.05
14 Malignant neoplasm of lymph and haemopoietic tissue	3,018.20	1,762.99	1,255.21	58.41	41.59	65.12	66.25	18.18	20.25
15 Benign neoplasm	47.54	21.36	26.18	44.93	55.07	57.50	57.50	21.36	26.18
17 Other and unspecified neoplasm	282.44	53.97	228.47	19.11	80.89	73.50	67.25	10.79	20.77
18 Endocrine and metabolic diseases	2,734.07	1,256.80	1,477.27	45.97	54.03	69.78	71.98	15.14	16.41
19 Nutritional deficiencies	123.65	4.66	118.99	3.77	96.23	89.70	66.46	4.66	23.80
20 Diseases of blood and blood-forming organs	235.00	123.85	111.15	52.70	47.30	77.79	78.57	9.53	12.35
21 Mental disorders	788.98	461.06	327.92	58.44	41.56	71.45	77.66	13.97	13.66
22 Diseases of the nervous system	2,729.99	1,859.97	870.02	68.13	31.87	57.99	66.66	24.16	20.71
25 Rheumatic fever/heart disease	577.02	205.51	371.51	35.62	64.38	64.17	69.04	17.13	17.69
26 Hypertensive disease	763.73	312.19	451.54	40.88	59.12	74.95	78.84	10.77	11.88
27 Ischaemic heart disease	21,606.57	13,706.80	7,899.77	63.44	36.56	73.60	79.94	11.81	10.63
28 Pulmonary and other heart disease	5,554.88	2,930.79	2,624.09	52.76	47.24	75.68	81.00	11.19	10.58
29 Cerebrovascular disease	6,761.21	2,686.12	4,075.09	39.73	60.27	78.19	80.12	9.36	10.93
30 Other diseases of the circulatory system	2,432.48	1,307.71	1,124.77	53.76	46.24	77.83	82.47	9.62	9.30
31 Diseases of the upper respiratory tract	28.86	10.93	17.93	37.87	62.13	86.10	67.50	5.46	17.93

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1983 (Continued)

	Cause of death ("B" List-9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedents	
		Number			Per cent					
		Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
	32 Other diseases of the respiratory system	8,333.12	4,996.76	3,336.36	59.96	40.04	76.07	78.76	11.13	12.40
	34 Other parts of digestive system	4,844.33	2,767.95	2,076.38	57.14	42.86	68.56	73.09	15.38	16.22
	35 Diseases of urinary system	1,539.29	666.60	872.69	43.31	56.69	77.59	72.28	10.26	16.47
	36 Diseases of male genital organs	68.26	68.26	0.00	100.00	0.00	79.57	–	8.53	–
	37 Diseases of female genital organs	75.04	0.00	75.04	0.00	100.00	–	45.00	–	37.52
	39 Direct obstetric causes	58.91	0.00	58.91	0.00	100.00	–	22.50	–	58.91
	42 Diseases of skin	32.91	8.55	24.36	25.98	74.02	77.50	83.30	8.55	8.12
	43 Musculoskeletal and connective tissue	293.25	80.25	213.00	27.37	72.63	79.94	80.21	8.02	10.65
	44 Congenital anomalies	5,167.64	2,629.88	2,537.76	50.89	49.11	3.84	7.88	69.21	72.51
	45 Conditions in perinatal period	4,785.67	2,317.76	2,467.91	48.43	51.57	0.11	0.11	72.43	79.61
	46 Symptoms and ill-defined conditions	1,818.13	913.10	905.03	50.22	49.78	38.41	57.66	41.50	31.21
E	47 Transport accidents	10,300.99	7,505.79	2,795.20	72.86	27.14	36.24	34.63	40.79	48.19
E	48 Accidental poisoning	1,063.20	672.33	390.87	63.24	36.76	44.50	43.50	33.62	39.09
E	49 Misadventures during medical care	215.94	51.94	164.00	24.05	75.95	64.17	41.90	17.31	41.00
E	50 Accidental falls	937.26	522.63	414.63	55.76	44.24	65.00	78.82	19.36	12.56
E	51 Accidents caused by fires and flames	1,423.07	960.46	462.61	67.49	32.51	31.08	37.00	45.74	46.26
E	52 Other accidents, late effects	3,835.11	2,954.78	880.33	77.05	22.95	41.79	34.95	36.48	48.91
E	53 Effects of drugs and medication	38.21	38.21	0.00	100.00	0.00	62.50	–	19.10	–
E	54 Suicide and self-inflicted injury	5,283.23	4,161.28	1,121.95	78.76	21.24	44.53	39.23	34.11	43.15
E	55 Homicide and intentional injury	1,385.65	974.20	411.45	70.31	29.69	26.80	36.39	48.71	45.72
E	56 Other violence	442.41	208.47	233.94	47.12	52.88	34.50	35.50	41.69	46.79
Total		123,535.81	72,158.47	51,377.34	58.41	41.59	68.25	72.97	16.20	16.28

* Based on "Life Tables, Canada and the Provinces, 1980-1982", prepared by Statistics Canada, Ottawa, Ontario, June, 1984.

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1983

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
All causes		7,611	750.2	4,455	3,156
A 7	Tuberculosis of respiratory system	4	0.4	2	2
A 8	Other Tuberculosis	1	0.1	–	1
A 15	Septicemia	11	1.1	10	1
A 16	All other bacterial diseases	1	0.1	1	–
A 22	Viral hepatitis	3	0.3	–	3
A 23	Other viral diseases	6	0.6	2	4
A 34	Late effects of tuberculosis	2	0.2	2	–
A 35	Late effects acute poliomyelitis	2	0.2	2	–
A 36	All other infectious, parasitic diseases and their late effects	1	0.1	–	1
A 37	Malignant neoplasm of lip	2	0.2	2	–
A 38	Malignant neoplasm of tongue	3	0.3	2	1
A 39	Malignant neoplasm of pharynx	12	1.2	8	4
A 40	Malignant neoplasms of other and ill-defined sites within the lip, oral cavity, and pharynx	8	0.8	3	5
A 41	Malignant neoplasm of esophagus	27	2.7	24	3
A 42	Malignant neoplasm of stomach	78	7.7	56	22
A 43	Malignant neoplasm of small intestine, inc. duod.	6	0.6	4	2
A 44	Malignant neoplasms of hepatic and splenic flexures and transverse colon	5	0.5	2	3
A 45	Malignant neoplasm of descending colon	3	0.3	–	3
A 46	Malignant neoplasm of signoid colon	20	2.0	9	11
A 47	Malignant neoplasms of caecum, appendix, and ascending colon	27	2.7	10	17
A 48	Malignant neoplasms other and colon, unspecified	98	9.7	45	53
A 49	Malignant neoplasms of rectum, rectosignoid junction and anus	64	6.3	48	16
A 50	Malignant neoplasms of liver, primary	9	0.9	7	2
A 52	Malignant neoplasm of liver, not specified as primary or secondary	13	1.3	10	3
A 53	Malignant neoplasms of gallbladder and extrahepatic bile ducts	28	2.8	16	12
A 54	Malignant neoplasms of pancreas	114	11.2	62	52
A 55	Malignant neoplasms of retroperitoneum, peritoneum and other ill-defined sites	36	3.5	17	19
A 56	Malignant neoplasm of larynx	18	1.8	16	2
A 57	Malignant neoplasms of trachea, bronchus, and lung	364	35.9	303	61
A 58	Malignant neoplasms of all other and ill-defined sites within respiratory system	5	0.5	3	2
A 59	Malignant neoplasms of bone and articular cartilage	5	0.5	5	–
A 60	Malignant neoplasms of connective and other soft tissue	13	1.3	8	5
A 61	Melanoma of skin	13	1.3	5	8
A 62	Other malignant neoplasms of skin	6	0.6	4	2
A 63	Malignant neoplasm of female breast	128	12.6	–	128
A 65	Malignant neoplasm of cervix uteri	10	1.0	–	10
A 66	Malignant neoplasms of other parts of uterus	19	1.9	–	19
A 67	Malignant neoplasms of ovary and other uterine adnexa	48	4.7	–	48
A 68	Malignant neoplasms of other and unspecified female genital organs	4	0.4	–	4
A 69	Malignant neoplasm of prostate	162	16.0	162	–
A 70	Malignant neoplasm of testis	1	0.1	1	–
A 71	Penis and other male genital organs	1	0.1	1	–

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
150	115	152	44	242	112	778	434	1.097	586	2.036	1.865	–
–	–	–	–	–	–	2	–	–	–	–	2	A 7
–	–	–	–	–	–	–	–	–	–	–	1	A 8
–	–	–	–	–	–	2	–	4	1	4	–	A 15
–	2	–	–	–	–	1	–	–	–	–	–	A 16
–	–	1	–	–	–	–	–	–	–	–	1	A 22
–	–	–	–	–	–	1	3	–	–	–	1	A 23
–	–	–	–	–	–	–	–	1	–	1	–	A 34
–	–	–	–	–	–	1	–	1	–	–	–	A 35
–	–	–	–	–	–	–	1	–	–	–	–	A 36
–	–	–	–	–	–	–	–	1	–	1	–	A 37
–	–	–	–	–	–	2	–	–	–	–	1	A 38
						6	2	–	1	2	1	A 39
–	–	1	–	–	–	–	1	–	2	2	2	A 40
–	–	–	–	–	–	8	–	6	2	10	1	A 41
–	–	–	–	1	1	11	6	15	7	29	8	A 42
				–	–	2	2	1	–	1	–	A 43
–	–	–	–	–	1	–	1	–	1	2	–	A 44
–	–	–	–	–	–	–	2	–	–	–	1	A 45
–	–	–	–	–	–	–	5	4	3	5	3	A 46
–	–	–	–	–	–	3	3	2	6	5	8	A 47
–	–	–	–	2	2	8	11	19	14	16	26	A 48
–	–	–	–	2	1	7	5	20	2	19	8	A 49
–	–	–	–	–	–	1	1	4	–	2	1	A 50
–	–	–	–	1	–	3	1	5	2	2	–	A 52
–	–	–	–	–	–	2	4	6	3	7	5	A 53
						18	8	25	17	19	27	A 54
–	–	–	–	1	–	2	3	6	4	8	12	A 55
–	–	–	–	–	–	10	–	4	2	2	–	A 56
–	–	–	1	6	4	90	26	99	17	108	13	A 57
–	–	–	–	–	–	1	1	1	–	1	1	A 58
–	–	1	–	1	–	–	–	2	–	1	–	A 59
–	–	3	–	1	2	1	1	2	–	1	2	A 60
–	–	–	–	4	1	–	3	1	1	–	3	A 61
–	–	–	–	–	–	1	1	1	–	2	1	A 62
–	–	–	–	–	11	–	44	–	40	–	33	A 63
–	–	–	–	–	–	–	2	–	4	–	4	A 65
–	–	–	–	–	1	–	6	–	4	–	8	A 66
					2	–	18	–	19	–	9	A 67
–	–	–	–	–	–	–	–	–	3	–	1	A 68
–	–	–	–	–	–	20	–	52	–	90	–	A 69
–	–	–	–	–	–	1	–	–	–	–	–	A 70
						–	–	1	–	–	–	A 71

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1983 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
A 72	Malignant neoplasm of bladder	37	3.6	23	14
A 73	Malignant neoplasm of kidney and other unspecified urinary organs	47	4.6	26	21
A 75	Malignar oplasm of brain	37	3.6	21	16
A 76	Malign eoplasms of other and unspecified parts of nervous system	1	0.1	—	1
A 77	Malignant neoplasms of thyroid gland and other endocrine glands and related structures	9	0.9	1	8
A 78	Malignant neoplasms of all other and unspecified sites	77	7.6	43	34
A 79	Lymphosarcoma and reticulosarcoma	14	1.4	8	6
A 80	Hodgkins disease	8	0.8	6	2
A 81	Other malignant neoplasms of lymphoid and histiocytic tissue	37	3.6	19	18
A 82	Multiple myeloma and innumoproliferative neoplasms	31	3.1	22	9
A 83	Lymphoid leukemia	20	2.0	16	4
A 84	Myeloid leukemia	28	2.8	16	12
A 85	Monocytic leukemia	1	0.1	1	—
A 86	Other and unspecified leukemia	20	2.0	9	11
A 89	All other and unspecified sites	2	0.2	1	1
A 92	Neoplasms of uncertain behavior	11	1.1	4	7
A 93	Neoplasms of unspecified nature	5	0.5	1	4
A 94	Disorders of thyroid gland	4	0.4	2	2
A 95	Diabetes mellitus	141	13.9	69	72
A 96	Disorders of pituitary and hypothalamic glands	1	0.1	1	—
A 98	Disorders of adrenal glands	1	0.1	—	1
A 99	Cystic fibrosis	1	0.1	—	1
A 100	Obesity	6	0.6	1	5
A 101	All other indocrine and metabolic diseases and immunity disorders	19	1.9	10	9
A 103	Other protein-calorie malnutrition	6	0.6	1	5
A 105	Deficienct anemias	6	0.6	2	4
A 106	Hemolytic anemias	2	0.2	1	1
A 107	Aplastic anemia	2	0.2	1	1
A 108	Other and unspecified anemias	6	0.6	4	2
A 110	All other diseases of blood and blood-forming organs	6	0.6	5	1
A 111	Senile and presenile organic psychotic conditions	24	2.4	11	13
A 113	All other psychoses	4	0.4	1	3
A 114	Alcohol dependence syndrome	14	1.4	12	2
A 116	Other neurotic, personality, and nonpsychotic mental disorders	15	1.5	9	6
A 118	Meningitis	3	0.3	3	—
A 119	Parkinsons disease	26	2.6	17	9
A 120	Other hereditary and degenerative diseases of the central nervous system	45	4.4	29	16
A 121	Multiple sclerosis	6	0.6	1	5
A 122	Infantiel cerebral palsy	1	0.1	1	—
A 123	Epilepsy	20	2.0	14	6
A 124	Other disorders of nervous system	18	1.8	12	6
A 127	Acute rheumatic fever	1	0.1	—	1
A 128	Diseases of mitral valve	13	1.3	3	10
A 129	Disease of aortic valve	3	0.3	2	1
A 130	Diseases of mitral and aortic valves	5	0.5	3	2

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	–	8	2	3	3	12	9	A 72
–	–	–	–	–	–	12	1	2	14	12	6	A 73
2	–	2	–	1	3	8	6	5	5	3	2	A 75
–	–	–	–	–	–	–	1	–	–	–	–	A 76
–	–	–	–	–	–	–	2	–	3	1	3	A 77
–	–	–	–	1	–	12	6	12	7	18	21	A 78
–	–	–	–	1	–	2	4	1	1	4	1	A 79
–	–	2	–	3	–	–	–	–	–	1	2	A 80
–	–	2	–	–	1	7	5	3	8	7	4	A 81
–	–	–	–	–	–	3	3	9	3	10	3	A 82
–	1	1	–	–	–	4	–	4	1	7	2	A 83
–	–	2	–	2	2	3	2	4	3	5	5	A 84
–	–	–	–	–	–	–	–	–	–	1	–	A 85
2	2	–	–	–	–	2	1	2	5	3	3	A 86
–	–	–	–	–	–	1	1	–	–	–	–	A 89
–	1	–	–	–	–	–	–	1	2	3	4	A 92
–	–	–	–	–	–	–	3	1	–	–	1	A 93
–	–	–	–	–	–	–	–	1	–	1	2	A 94
–	–	1	–	4	4	11	10	15	21	38	37	A 95
–	–	–	–	–	–	–	–	1	–	–	–	A 96
–	1	–	–	–	–	–	–	–	1	–	–	A 98
–	–	–	–	–	–	–	–	–	–	–	–	A 99
4	2	–	–	–	–	–	1	1	1	–	3	A 100
–	1	–	–	–	–	1	1	1	2	4	4	A 101
–	–	–	–	–	–	–	1	–	–	1	3	A 103
–	–	–	–	–	–	–	–	–	–	2	4	A 105
–	–	–	–	–	1	–	–	–	–	1	–	A 106
–	–	–	–	–	–	–	–	1	–	–	1	A 107
–	–	–	–	–	–	–	–	1	–	3	2	A 108
–	–	–	–	–	–	1	–	3	1	1	–	A 110
–	–	–	–	–	–	–	–	–	–	11	13	A 111
–	–	–	–	2	1	5	1	–	1	1	2	A 113
1	–	–	1	–	1	3	–	2	–	3	–	A 114
2	–	–	–	–	–	–	–	1	–	4	4	A 116
–	–	–	–	–	–	–	–	–	–	1	–	A 118
								6	3	11	6	A 119
3	–	–	–	–	–	7	2	8	2	11	12	A 120
–	–	–	–	–	–	–	3	–	2	1	–	A 121
1	–	–	–	–	–	–	–	–	–	–	–	A 122
2	–	2	1	4	3	4	1	–	1	2	–	A 123
3	2	3	–	–	–	–	1	3	1	3	2	A 124
–	–	–	–	–	–	–	–	–	1	–	–	A 127
–	–	–	–	1	1	–	2	2	4	–	3	A 128
–	–	–	–	–	–	2	1	–	–	–	–	A 129
–	–	–	–	–	–	–	1	3	1	–	–	A 130

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1983 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
A 131	All other chronic rheumatic heart disease	11	1.1	4	7
A 132	Essential hypertension	10	1.0	5	5
A 133	Hypertensive heart disease	33	3.3	14	19
A 134	Hypertensive renal disease	18	1.8	8	10
A 135	Hypertensive heart and renal diseases	6	0.6	2	4
A 136	Acute myocardial infarction	1,233	121.5	778	455
A 137	Ischaemic heart disease	16	1.6	12	4
A 138	Angina pectoris	3	0.3	2	1
A 139	All other forms of chronic ischaemic heart disease	652	64.3	369	283
A 140	Diseases of pulmonary circulation	58	5.7	32	26
A 141	Acute and subacute endocarditis	3	0.3	3	—
A 142	Acute pericarditis, acute myocarditis, and other diseases of pericardium	5	0.5	2	3
A 143	Mitral valve disorders	7	0.7	3	4
A 144	Aortic valve disorders	24	2.4	15	9
A 145	Other diseases of endocardium	7	0.7	1	6
A 146	Heart failure	210	20.7	100	110
A 147	Myocarditis, unspecified and myocardial degeneration	20	2.0	10	10
A 148	All other and ill-defined forms of heart disease	176	17.3	96	80
A 149	Subarachnoid hemorrhage	40	3.9	14	26
A 150	Intracerebral and other intracranial haemorrhage	89	8.8	43	46
A 151	Occlusion and stenosis of precerebral arteries	7	0.7	5	2
A 152	Cerebral thrombosis and unspecified occlusion of cerebral arteries	102	10.1	44	58
A 153	Cerebral embolism	5	0.5	4	1
A 154	Acute but ill-defined cerebrovascular disease	337	33.2	147	190
A 155	Other and late effects of cerebrovascular diseases	80	7.9	30	50
A 156	Atherosclerosis	133	13.1	62	71
A 157	Aortic aneurysm	65	6.4	44	21
A 158	All other diseases of arteries, arterioles, and capillaries	31	3.1	14	17
A 159	Phlebitis, thrombophlebitis, and venous embolism and thrombosis	24	2.4	14	10
A 160	All other diseases of veins and lymphatics, and other diseases of circulatory system	4	0.4	2	2
A 161	Acute upper respiratory infections	1	0.1	—	1
A 162	Other diseases of upper respiratory	2	0.2	2	—
A 163	Acute bronchitis, bronchiolitis	7	0.7	4	3
A 164	Viral pneumonia	6	0.6	4	2
A 165	Pneumococcal and other bacterial pneumonia	12	1.2	9	3
A 166	Bronchopneumonia, organism unspecified	165	16.3	85	80
A 167	Pneumonia due to other and unspecified organism	161	15.9	95	66
A 168	Influenza	50	4.9	20	30
A 169	Bronchitis, not specified as acute or chronic	7	0.7	2	5
A 170	Chronic bronchitis	35	3.4	24	11
A 171	Emphysema	38	3.7	32	6
A 172	Asthma	23	2.3	13	10
A 173	Bronchiectasis and extrinsic allergic alveolitis	4	0.4	2	2
A 174	Chronic airways obstruction, not elsewhere classified	140	13.8	121	19
A 175	Pneumoconioses and other lung disease due to external agents	11	1.1	6	5
A 176	Empyema and abscess of lung	5	0.5	5	—

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	1	2	–	2	1	–	5	A 131
–	–	–	1	–	–	1	1	1	–	3	3	A 132
–	–	–	–	–	–	2	2	7	3	5	14	A 133
–	–	–	–	–	–	1	1	1	–	6	9	A 134
–	–	–	–	–	–	–	1	1	1	1	2	A 135
–	–	–	–	20	2	166	47	255	106	337	300	A 136
–	–	–	–	–	–	3	–	2	–	7	4	A 137
–	–	–	–	–	–	–	–	1	–	1	1	A 138
–	–	–	–	7	–	53	15	91	27	218	241	A 139
–	–	–	–	–	1	9	1	4	8	19	16	A 140
–	–	–	–	–	–	1	–	2	–	–	–	A 141
–	–	–	–	1	1	–	–	–	1	1	1	A 142
–	–	–	–	–	–	1	1	2	1	–	2	A 143
–	–	–	–	1	–	3	–	6	2	5	7	A 144
–	–	–	–	–	–	–	–	–	2	1	4	A 145
–	–	–	–	1	–	6	2	22	11	71	97	A 146
–	–	–	–	–	–	–	–	3	2	7	8	A 147
1	2	2	–	3	1	18	9	24	15	48	53	A 148
1	–	–	2	4	5	3	9	3	6	3	4	A 149
–	–	–	–	1	–	8	10	12	10	22	26	A 150
–	–	–	–	–	–	1	–	2	1	2	1	A 151
–	–	–	–	–	–	4	1	13	9	27	48	A 152
–	–	–	–	–	–	–	–	1	1	3	–	A 153
–	–	–	–	–	–	4	7	31	30	112	153	A 154
–	–	–	–	–	–	1	2	4	3	25	45	A 155
–	–	–	–	–	–	3	3	4	2	55	66	A 156
–	–	1	–	–	–	3	3	21	5	20	13	A 157
–	–	–	–	–	–	3	1	4	1	6	15	A 158
						3	3	7	–	4	7	A 159
–	–	–	–	–	–	1	–	1	–	–	2	A 160
–	–	–	–	–	–	–	–	–	1	–	–	A 161
1	2	–	–	–	–	–	–	–	–	2	–	A 162
1	1	–	–	1	–	–	–	–	–	3	1	A 163
–	–	–	–	1	1	–	–	–	–	2	1	A 164
4	1	–	–	–	1	5	1	2	–	6	2	A 165
2	1	1	–	–	–	5	5	10	7	66	70	A 166
–	–	–	–	–	–	–	–	13	8	74	52	A 167
1	1	–	–	–	–	–	1	–	2	20	28	A 168
–	1	–	–	–	–	1	3	1	1	–	2	A 169
–	–	–	–	–	–	6	1	6	–	17	7	A 170
1	–	2	–	2	–	8	1	8	2	18	3	A 171
–	–	–	–	–	–	2	1	1	4	5	5	A 172
–	–	1	–	–	–	1	1	–	1	1	–	A 173
–	–	–	–	–	–	6	6	37	6	77	7	A 174
–	–	–	–	–	2	1	–	1	–	4	3	A 175
						2	–	1	–	2	–	A 176

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1983 (Continued)

Cause of death	All ages			
	Both sexes			
	Number	Rate	Male	Female
A 177 Pleurisy	3	0.3	1	2
A 178 All other diseases of respiratory system	51	5.0	26	25
A 180 Gastric ulcer	16	1.6	4	12
A 181 Duodenal ulcer	14	1.4	9	5
A 182 Peptic ulcer, site unspecified	7	0.7	6	1
A 183 Gastritis and duodenitis	10	1.0	6	4
A 184 Appendicitis	3	0.3	3	—
A 185 Hernia of abdominal cavity and intestinal obstruction without mention of hernia	29	2.9	12	17
A 186 Regional enteritis and idiopathic proctocolitis	3	0.3	1	2
A 187 Gastroenteritis and colitis	31	3.1	10	21
A 188 Diverticular of intestine	8	0.8	3	5
A 189 Chronic liver disease and cirrhosis, specified as alcoholic	46	4.5	37	9
A 190 Chronic hepatitis and biliary cirrhosis	5	0.5	3	2
A 191 Other, chronic liver disease and cirrhosis without mention of alcohol	45	4.4	33	12
A 192 Cholelithiasis and other disorders of gallbladder	16	1.6	7	9
A 193 All other diseases of digestive system	75	7.4	46	29
A 195 Nephrotic syndrome	1	0.1	1	—
A 196 Chronic glomerulonephritis, nephritis, nephropathy, and renal sclerosis unspecified	9	0.9	4	5
A 197 Renal failure and other disorders resulting from impaired function	74	7.3	42	32
A 198 Infections of kidney	18	1.8	8	10
A 199 Urinary calculus	3	0.3	2	1
A 200 Other diseases of urinary system	13	1.3	8	5
A 201 Hyperplasia of prostate	8	0.8	8	—
A 204 Other diseases of female genital organs	2	0.2	—	2
A 214 Direct obstetric causes	1	0.1	—	1
A 217 Infections of skin and subcutaneous tissue	2	0.2	—	2
A 218 Other diseases of skin and subcutaneous tissue	2	0.2	1	1
A 219 Rheumatoid arthritis and other inflammatory polyarthropathies	11	1.1	1	10
A 220 Arthropathies and related disorders	11	1.1	6	5
A 221 Dorsopathies	1	0.1	1	—
A 222 Rheumatism, excluding the back	3	0.3	1	2
A 223 Ostheopathies, chondropathies, and acquired musculoskeletal deformities	4	0.4	1	3
A 225 All other congenital anomalies of nervous system	8	0.8	5	3
A 226 Congenital anomalies of heart	30	3.0	13	17
A 227 Other congenital anomalies of circulatory system	5	0.5	4	1
A 228 All other congenital anomalies	30	3.0	16	14
A 229 Birth trauma	4	0.4	3	1
A 230 Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	27	2.7	14	13
A 231 Other conditions originating in the perinatal period	32	3.2	15	17
A 232 Senility without mention of psychosis	15	1.5	3	12
A 233 Symptoms, signs and other ill-defined conditions	36	3.5	19	17
AE 234 Railway accidents	1	0.1	1	—
AE 235 Involving collision with train	4	0.4	4	—
AE 236 Involving collision with another motor vehicle	97	9.6	71	26

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	–	–	–	–	1	1	1	A 177
3	–	–	–	–	2	6	3	6	6	11	14	A 178
–	–	–	–	–	–	–	2	1	–	3	10	A 180
–	–	–	–	–	–	1	–	3	1	5	4	A 181
–	–	–	–	–	–	1	–	1	–	4	1	A 182
–	–	–	–	–	–	2	1	2	–	2	3	A 183
–	–	–	–	–	–	2	–	–	–	1	–	A 184
–	1	–	–	1	–	–	2	–	4	11	10	A 185
–	–	–	–	–	–	–	1	1	–	–	1	A 186
–	3	–	–	–	–	1	–	–	5	9	13	A 187
–	–	–	–	–	–	–	–	1	1	2	4	A 188
–	–	–	–	7	1	19	6	8	1	3	1	A 189
–	–	–	–	1	1	–	–	–	–	2	1	A 190
–	–	–	1	2	1	12	3	13	3	6	4	A 191
–	–	–	–	–	–	–	2	1	1	6	6	A 192
2	–	–	1	2	1	9	2	15	7	18	18	A 193
–	–	–	–	–	–	1	–	–	–	–	–	A 195
–	1	–	–	–	–	–	1	–	2	4	1	A 196
–	–	–	–	1	1	2	9	10	4	29	18	A 197
1	–	–	–	–	–	–	3	1	1	6	6	A 198
–	–	–	–	–	–	–	1	1	–	1	–	A 199
–	–	–	–	–	–	1	1	1	1	6	3	A 200
–	–	–	–	–	–	–	–	3	–	5	–	A 201
–	–	–	–	–	1	–	1	–	–	–	–	A 204
–	–	–	1	–	–	–	–	–	–	–	–	A 214
–	–	–	–	–	–	–	–	–	–	–	2	A 217
–	–	–	–	–	–	–	–	–	–	1	1	A 218
–	–	–	–	–	–	–	–	–	4	1	6	A 219
–	–	–	–	–	1	–	–	–	2	6	2	A 220
–	–	–	–	–	–	–	–	–	–	1	–	A 221
–	–	–	–	–	–	–	–	1	–	–	2	A 222
–	–	–	–	–	–	1	–	–	–	–	3	A 223
3	–	2	1	–	2	–	–	–	–	–	–	A 225
10	16	3	1	–	–	–	–	–	–	–	–	A 226
4	1	–	–	–	–	–	–	–	–	–	–	A 227
15	11	–	–	1	1	–	1	–	1	–	–	A 228
3	1	–	–	–	–	–	–	–	–	–	–	A 229
14	13	–	–	–	–	–	–	–	–	–	–	A 230
15	17	–	–	–	–	–	–	–	–	–	–	A 231
–	–	–	–	–	–	–	–	–	–	3	12	A 232
10	9	1	–	2	1	–	–	2	1	4	6	A 233
–	–	1	–	–	–	–	–	–	–	–	–	AE 234
–	–	1	–	–	–	2	–	–	–	1	–	AE 235
3	5	30	6	18	4	11	6	5	2	4	3	AE 236

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1983 (Continued)

Cause of death		All ages			
		Both sexes			
		Number	Rate	Male	Female
AE 237	Involving collision with pedestrian	25	2.5	22	3
AE 238	Involving collision with other vehicle or object	9	0.9	6	3
AE 239	Not involving collision on highway	79	7.8	58	21
AE 240	Motor vehicle traffic accident of unspecified nature	12	1.2	10	2
AE 241	Motor vehicle nontraffic accident	9	0.9	8	1
AE 243	Water transport accidents	3	0.3	3	–
AE 244	Air and space transport accidents	3	0.3	1	2
AE 246	Accidental poisoning by drugs, medicaments, and biologicals	15	1.5	7	8
AE 247	Accidental poisoning by other solid or liquid substances	4	0.4	3	1
AE 248	Accidental poisoning by gases and vapors	11	1.1	10	1
AE 249	Misadventures during medical care	7	0.7	3	4
AE 250	Fall from one level to another	24	2.4	13	11
AE 251	Fall on same level	8	0.8	4	4
AE 252	Fracture, cause unspecified, and other and unspecified falls	28	2.8	10	18
AE 253	Accidents caused by fires and flames	31	3.1	21	10
AE 255	Accidental drowning and submersion	17	1.7	14	3
AE 256	Suffocation caused by inhalation or ingestion of food or other object	18	1.8	13	5
AE 258	Accidents caused by all other and unspecified firearms	3	0.3	3	–
AE 259	Accident caused by explosive material	2	0.2	2	–
AE 260	Accident caused by hot substances and radiation	2	0.2	2	–
AE 261	Accident caused by electric current	3	0.3	2	1
AE 262	All other accidents and late effects of accidental injury	54	5.3	45	9
AE 263	Drugs causing adverse effects	2	0.2	2	–
AE 264	Suicide by drugs, medicaments and biologicals in therapeutic use	17	1.7	5	12
AE 265	Suicide by other solid or liquid substances	1	0.1	–	1
AE 266	Suicide by gases and vapors	16	1.6	13	3
AE 267	Suicide by hanging, strangulation and suffocation	38	3.7	33	5
AE 268	Suicide by handgun	2	0.2	2	–
AE 269	Suicide by all other and unspecified firearms	66	6.5	64	2
AE 270	Suicide by all other means and late effects of self-inflicted injury	8	0.8	5	3
AE 272	Assault by all other and unspecified firearms	9	0.9	4	5
AE 273	Assault by cutting and piercing instrument	9	0.9	8	1
AE 274	Assault by other means and late effects of injury	11	1.1	8	3
AE 277	Injury undetermined whether accidentally or purposely inflicted from poisoning by drugs, medicaments and biologicals	4	0.4	2	2
AE 278	Injury undetermined whether accidentally or purposely inflicted from poisoning by other solid or liquid substances	2	0.2	1	1
AE 280	Injury by unspecified firearms	1	0.1	1	–
AE 281	Injury undetermined whether accidentally or purposely inflicted from injury by all other means and late effects of injury	3	0.3	1	2

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
2	1	2	—	5	1	6	1	3	—	4	—	AE 237
—	—	1	—	5	3	—	—	—	—	—	—	AE 238
3	1	20	8	22	8	8	1	3	1	2	2	AE 239
2	—	3	2	3	—	—	—	2	—	—	—	AE 240
5	1	—	—	1	—	2	—	—	—	—	—	AE 241
—	—	1	—	2	—	—	—	—	—	—	—	AE 243
—	1	—	1	1	—	—	—	—	—	—	—	AE 244
—	—	2	—	2	4	2	4	—	—	1	—	AE 246
—	—	—	—	1	—	2	1	—	—	—	—	AE 247
—	—	2	1	3	—	3	—	—	—	2	—	AE 248
—	1	—	—	—	1	1	1	2	1	—	—	AE 249
—	1	1	—	4	1	3	2	4	1	1	6	AE 250
—	—	1	—	—	—	1	—	1	—	1	4	AE 251
—	—	—	—	—	—	1	2	—	—	9	16	AE 252
6	3	5	2	6	1	2	2	1	1	1	1	AE 253
3	2	5	1	1	—	3	—	1	—	1	—	AE 255
2	1	—	—	2	—	5	1	1	—	3	3	AE 256
1	—	—	—	1	—	1	—	—	—	—	—	AE 258
—	—	—	—	1	—	—	—	—	—	1	—	AE 259
—	—	—	—	—	—	—	—	—	—	2	—	AE 260
1	—	1	1	—	—	—	—	—	—	—	—	AE 261
7	2	4	4	16	1	11	—	5	1	2	1	AE 262
—	—	—	—	—	—	1	—	—	—	1	—	AE 263
—	—	—	2	3	5	1	5	1	—	—	—	AE 264
—	—	—	—	—	—	—	1	—	—	—	—	AE 265
—	—	2	—	4	—	4	2	1	1	2	—	AE 266
1	—	8	2	13	3	3	—	2	—	6	—	AE 267
—	—	2	—	—	—	—	—	—	—	—	—	AE 268
—	—	15	—	20	1	13	1	8	—	8	—	AE 269
—	—	1	1	2	2	1	—	—	—	1	—	AE 270
—	—	1	—	1	4	2	1	—	—	—	—	AE 272
—	—	5	1	3	—	—	—	—	—	—	—	AE 273
2	1	3	—	2	1	1	1	—	—	—	—	AE 274
—	—	—	—	2	1	—	1	—	—	—	—	AE 277
—	—	—	—	1	—	—	1	—	—	—	—	AE 278
—	—	1	—	—	—	—	—	—	—	—	—	AE 280
—	1	—	1	—	—	1	—	—	—	—	—	AE 281

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1983 (Concluded)

There were no deaths in 1983 from the following:

A 1	Cholera, typhoid, paratyphoid fevers
A 2	Shigellosis
A 3	Other Salmonella infections, food poisoning
A 4	Amoebiasis
A 5	Intestinal infections, specified
A 6	Ill-defined intestinal infections
A 9	Brucellosis
A 10	Diptheria
A 11	Whooping cough
A 12	Streptococcal throat, scarlatina, erysipelas
A 13	Meningococcal infection
A 14	Tetanus
A 17	Acute poliomyelitis
A 18	Smallpox
A 19	Measles
A 20	Rubella
A 21	Anthropod-borne encephalitis
A 24	Typhus and other rickettsioses
A 25	Malaria
A 26	Other arthropod-borne diseases
A 27	Cardiovascular syphilis
A 28	Neurosyphilis
A 29	All other syphilis
A 30	Gonococcal infections
A 31	Other venereal diseases
A 32	Mycoses
A 33	Helminthiases
A 51	Malignant neoplasm intrahepatic bile ducts
A 64	Malignant neoplasm of male breast
A 74	Malignant neoplasm of eye
A 87	Malignant neoplasm of female genital organs
A 88	Malignant neoplasm of eye, brain, nervous system
A 90	Malignant neoplasm of breast and genitourinary system
A 91	Malignant neoplasm of all other and unspecified sites
A 97	Diseases of thymus gland
A 102	Nutritional marasmus
A 104	Other nutritional deficiencies
A 109	Purpura and other haemorrhagic conditions
A 112	Alcoholic psychoses
A 115	Drug dependence
A 117	Mental retardation
A 125	Disorders of eye and adnexa
A 126	Diseases of ear and mastoid
A 179	Disorder of oral cavity, salivary
A 194	Acute glomerulonephritis
A 202	Other diseases of male genital organs
A 203	Disorders of breast
A 205	Ectopic pregnancy
A 206	Spontaneous abortion
A 207	Legally induced abortion
A 208	Illegally induced abortion
A 209	Pregnancy with abortive outcome
A 210	Hemorrhage of pregnancy and childbirth
A 211	Toxemia of pregnancy
A 212	Obstructed labor
A 213	Complication of puerperium
A 215	Indirect obstetric causes
A 216	Delivery in completely normal case
A 224	Spina bifida
AE 242	Other road vehicle accidents
AE 245	Vehicle accident elsewhere unclassified
AE 254	Lightning
AE 257	Accidents caused by handgun
AE 271	Assault by handgun
AE 275	Legal execution
AE 276	Other legal intervention
AE 279	From injury by handgun
AE 282	Injury from operations of war

Table 24. Accidental and Violent Deaths by External Cause and Internal Cause, Saskatchewan, 1983

External cause of death	Internal cause										
	BN47	BN48	BN49	BN50	BN51	BN52	BN53	BN54	BN55	BN56	Total
All causes of death	146	2	168	71	22	19	96	7	122	5	658
BE47 Transport accidents	91	2	97	12	2	7	2	—	29	—	242
BE48 Accidental poisoning	—	—	—	—	—	—	28	1	1	—	30
BE49 Misadventures during medical care	—	—	—	—	—	—	—	6	1	—	7
BE50 Accidental falls	44	—	13	1	—	—	—	—	1	1	60
BE51 Accidents caused by fires and flames	—	—	—	—	—	8	23	—	—	—	31
BE52 Other accidents, late effects	6	—	12	7	20	3	—	—	47	4	99
BE53 Effects of drugs and medication	—	—	—	—	—	—	2	—	—	—	2
BE54 Suicide and self-inflicted injury	3	—	30	40	—	1	34	—	40	—	148
BE55 Homicide and intentional injury	2	—	15	10	—	—	—	—	2	—	29
BE56 Other violence	—	—	1	1	—	—	7	—	1	—	10

Codes for internal cause of deaths:

BN47 Fractures
BN48 Dislocations, sprains, strains
BN49 Intracranial, internal injury, nerves
BN50 Open wounds, injury to blood vessels
BN51 Effects/body entering through orifice
BN52 Burns
BN53 Poisonings and toxic agents
BN54 Complications/medical and surgical care
BN55 Other injuries
BN56 Effects of injury, poisons, toxicity

Table 25. Suicide by Province, 1978-1983

	1978		1979		1980		1981		1982		1983	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Canada	3,475	14.7	3,357	14.0	3,358	13.9	3,403	14.0	3,523	14.3	3,755	15.1
Newfoundand	15	2.6	25	4.4	19	3.3	24	4.2	34	6.0	36	6.2
Prince Edward Island	16	13.1	16	13.0	14	11.3	9	7.3	11	9.0	16	12.9
Nova Scotia	105	12.5	106	12.5	97	11.4	92	10.9	104	12.2	104	12.1
New Brunswick	90	13.0	84	12.0	81	11.4	77	11.1	90	12.9	100	14.2
Quebec	894	14.2	981	15.6	947	15.0	1,054	16.4	1,071	16.5	1,208	18.5
Ontario	1,208	14.3	1,105	13.0	1,121	13.1	1,075	12.5	1,111	12.7	1,139	12.9
Manitoba	159	15.4	151	14.6	121	11.8	144	14.0	139	13.4	165	15.8
Saskatchewan	164	17.3	142	14.8	153	15.8	171	17.7	171	17.5	148	14.9
Alberta	330	16.9	314	15.6	389	18.7	344	15.4	359	15.5	393	16.7
British Columbia	463	18.3	419	16.3	396	15.0	398	14.5	418	15.0	417	14.8
Yukon	7	32.3	6	27.8	11	51.4	5	21.6	7	29.5	8	35.9
Northwest Territories	24	55.0	8	18.4	9	20.9	10	21.9	8	17.0	21	43.4

** Rate per 100,000 population (Statistics Canada population estimates).*

Table 26. Suicide by Age Group and Sex, Saskatchewan, 1961-1983

		Under 15		15-24		25-44		45-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F
1961	Number	–	–	7	1	17	3	35	8	15	2	6	–
	Rate*	–	–	10.5	1.6	14.5	2.7	40.1	10.2	51.1	8.3	33.3	–
1966	Number	2	–	4	6	21	–	24	7	9	–	3	–
	Rate*	1.2	–	5.2	8.1	19.2	–	25.9	8.1	33.8	–	15.0	–
1971	Number	1	–	12	1	14	3	32	8	3	–	4	–
	Rate*	0.7	–	14.3	1.2	13.8	3.1	33.9	8.7	10.9	–	19.9	–
1976	Number	–	–	25	13	34	9	22	9	3	6	7	1
	Rate*	–	–	27.4	14.9	32.3	8.9	23.7	9.7	9.9	19.6	37.1	4.5
1981	Number	2	2	39	15	42	13	25	6	11	5	8	3
	Rate*	1.8	1.9	41.9	16.5	33.6	10.8	27.3	6.5	32.6	13.8	39.4	11.7
1982	Number	1	–	52	10	45	9	26	5	15	1	7	–
	Rate*	0.8	–	56.3	11.1	34.8	7.2	28.5	5.4	43.7	2.7	33.8	–
1983	Number	1	–	28	5	42	11	22	9	12	1	17	–
	Rate*	1.2	–	30.6	5.6	31.3	1.3	24.2	9.8	34.7	2.6	79.1	–

** Rate per 100,000 population (Statistics Canada population estimates).*

Infant Mortality

Infant Mortality Rate

A favourable infant mortality rate is one of the indications of good general health conditions in an area.

One of the most important of the factors influencing the infant mortality rate is the proportion of births that take place in hospital or under proper medical care. Successful public health programs, availability of hospital facilities, high quality of medical care and high standards of living are some of the conditions which have assisted in creating a downward trend in infant mortality.

The risk of death during the first year of life is higher than at any other age except at very old ages. Not until age 65 for males and age 70 for females is there a greater probability of death than that of infancy — see Saskatchewan Life Table (Table 38 in this report).

Infant Deaths by Age and Sex

Of the total infant deaths, 37.8 per cent occurred during the first day of life and 45.0 per cent before the third day. Fifty-seven per cent occurred by the end of the first month.

In 1983 the male infant mortality rate was 10.6 per 1,000 male live births, and the female rate was 9.5 per 1,000 female live births.

Causes of Infant Deaths

In 1983 congenital anomalies caused 54 infant deaths (30.0 per cent of the total). Hypoxia, birth asphyxia, and respiratory conditions accounted for 33 infant deaths (18.3 per cent), and immaturity for 21 infant deaths (11.7 per cent). Influenza and pneumonia caused 9 infant deaths (5.0 per cent).

Neonatal Mortality (deaths under 4 weeks of age)

Of the 103 neonatal deaths in Saskatchewan in 1983, 68 occurred during the first day and 92 in the first week of life. Hypoxia, asphyxia, and respiratory conditions were the leading causes of neonatal death, followed by congenital anomalies and immaturity.

Saskatchewan's 1983 neonatal mortality rate of 5.8 per 1,000 live births was slightly higher than the rate for all of Canada which was 5.5.

Perinatal Mortality

Deaths occurring before, and soon after, the natal or delivery period frequently have the same underlying causes. Perinatal deaths consist of stillbirths plus deaths under one week of age and the rate is expressed as a proportion of total births (live and stillborn). Under the definition of stillbirth adopted in 1961, in which the minimum gestational period was lowered from 28 to 20 weeks, there were 216 perinatal deaths with a rate of 12.0 per 1,000 total births in 1983, compared with a rate of 13.0 in 1982. Using the old definition of stillbirth (28+ weeks gestation) perinatal deaths would number 188 in 1983, giving a rate of 10.5 per 1,000 total births.

Table 27. Distribution of Infant Deaths by Age, Saskatchewan, 1983

Age	Number	Per cent	Rate*	Cumulative		
				Number	Per cent	Rate*
Total	180	100.0	10.1	180	100.0	10.1
1st day	68	37.8	3.8	68	37.8	3.8
2nd day	13	7.2	0.7	81	45.0	4.5
3rd day	3	1.7	0.2	84	46.7	4.7
4th day	5	2.8	0.3	89	49.4	5.0
5th day	1	0.6	0.1	90	50.0	5.0
6th day	—	—	—	—	—	—
7th day	2	1.1	0.1	92	51.1	5.2
1st week	92	51.1	5.2	92	51.1	5.2
2nd week	2	1.1	0.1	94	52.2	5.3
3rd week	7	3.9	0.4	101	56.1	5.7
4th week	2	1.1	0.1	103	57.2	5.8
1st month	103	57.2	5.8	103	57.2	5.8
2nd month	12	6.7	0.7	115	63.9	6.4
3rd month	17	9.4	1.0	132	73.3	7.4
4th month	12	6.7	0.7	144	80.0	8.1
5th month	10	5.6	0.6	154	85.6	8.6
6th month	8	4.4	0.4	162	90.0	9.1
7th month	5	2.8	0.3	167	92.8	9.4
8th month	4	2.2	0.2	171	95.0	9.6
9th month	3	1.7	0.2	174	96.7	9.7
10th month	4	2.2	0.2	178	98.9	10.0
11th month	1	0.6	0.1	179	99.4	10.0
12th month	1	0.6	0.1	180	100.0	10.1

** Rate per 1,000 live births.*

Table 28. Infant Deaths by Sex and Age at Death, with Rates per 1,000 Live Births, Saskatchewan, 1983

Age of child	Number of infant deaths		Rate*		Per cent	
	Male	Female	Male	Female	Male	Female
Total	96	84	10.6	9.5	100.0	100.0
Under 1 day	29	27	3.2	3.1	30.2	32.1
1 day - 1 week	19	15	2.1	1.7	19.8	17.9
1 week - 1 month	7	6	0.8	0.7	7.3	7.1
1 month - 6 months	33	26	3.6	3.0	34.4	31.0
6 months - 1 year	8	10	0.9	1.1	8.3	11.9

** Rate per 1,000 live births.*

Table 29. Infant Deaths by Selected Causes with Rates per 1,000 Live Births by Age at Death, Saskatchewan, 1983

Cause of death	Total under 1 year		Total under 28 days		Under 1 day		1 day		2 days		3 days		4 days	
	Number	Rate	Number	Rate	M	F	M	F	M	F	M	F	M	F
All infant deaths	180	10.1	103	5.8	29	27	7	5	8	5	1	2	2	3
Acute respiratory infections (460-466)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia (480-486)	9	0.5	–	–	–	–	–	–	–	–	–	–	–	–
Congenital anomalies														
Brain, spine, nervous system (740-742)	2	0.1	2	0.1	1	–	–	–	1	–	–	–	–	–
Heart (746)	15	0.8	8	0.4	2	–	1	–	1	–	–	1	–	–
Other circulatory system (747)	5	0.3	5	0.3	–	–	3	–	–	1	–	–	–	–
Respiratory system (748)	5	0.3	4	0.2	4	–	–	–	–	–	–	–	–	–
Digestive system (749-751)	3	0.2	2	0.1	–	–	–	–	1	–	–	–	–	1
Urinary system (753)	1	0.1	1	0.1	–	–	1	–	–	–	–	–	–	–
Other and unspecified (759)	10	0.6	9	0.5	2	3	1	1	–	–	–	–	–	1
Certain causes of perinatal mortality														
Condition of placenta, cord, membrane (762)	1	0.1	1	0.1	1	–	–	–	–	–	–	–	–	–
Immaturity (765)	21	1.2	21	1.2	8	11	–	1	1	–	–	–	–	–
Other complications (779)	1	0.1	1	0.1	–	1	–	–	–	–	–	–	–	–
Symptoms, ill-defined conditions (780-799)	19	1.1	2	0.1	–	–	–	–	–	–	–	–	–	–
Inhalation and ingestion (E911-E912)	3	0.2	–	–	–	–	–	–	–	–	–	–	–	–
Mechanical suffocation (E913)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
All other causes	81	4.5	47	2.6	11	12	1	3	4	4	1	1	2	1

5 days		6 days		7-13 days		14-20 days		21-27 days		28 days under 2 mths		2 months		3 months		4 months		5 months		6-8 months		9-11 months	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	–	–	–	2	2	2	2	3	2	5	7	10	7	8	4	6	4	4	4	7	5	1	5
–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	1
–	–	–	–	–	–	–	–	–	–	–	–	3	1	3	–	–	–	1	1	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	1	–	1	–	1	–	–	–	–	–	1	–	–	2	–	1	2	–	1
–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–
–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	1	1	1	4	6	2	2	–	–	–	–	1	–	1	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	1
1	–	–	–	2	1	2	1	–	–	2	2	1	3	1	3	6	3	1	2	6	2	–	2

Table 30. Infant Deaths from Specific Causes by Sex with Rates per 1,000 Live Births, Saskatchewan, 1983

Cause of death	Total	Sex	
		Male	Female
		Number	
All infant deaths	180	96	84
Infectious diseases (001-003,101-139)	1	–	1
Gastrointestinal(04,06-09,535,555-558)	1	–	1
Influenza, pneumonia (480-487)	9	7	2
Congenital anomalies (740-759)	54	29	25
Certain causes of perinatal mortality			
Birth trauma, injury (763,767)	4	3	1
Hypoxia, asphyxia, respiratory (768-770)	33	17	16
Immaturity (765)	21	9	12
Other causes (remainder 760-779)	5	3	2
Other and ill-defined causes	52	28	24
		Rate per 1,000 live births	
All infant deaths	10.1	10.6	9.5
Infectious diseases (001-003,101-139)	0.1	–	0.1
Gastrointestinal(04,06-09,535,555-558)	0.1	–	0.1
Influenza, pneumonia (480-487)	0.5	0.8	0.2
Congenital anomalies (740-759)	3.0	3.2	2.8
Certain causes of perinatal mortality			
Birth trauma, injury (763,767)	0.2	0.3	0.1
Hypoxia, asphyxia, respiratory (768-770)	1.8	1.9	1.8
Immaturity (765)	1.2	1.0	1.4
Other causes (remainder 760-779)	0.3	0.3	0.2
Other and ill-defined causes	2.9	3.1	2.7

Table 31. Infant Deaths from Specific Causes by Age at Death with Rates per 1,000 Live Births, Saskatchewan, 1983

Cause of death	Total	0-6 days	7-27 days	28 days to 12 months
	Number			
All infant deaths	180	90	13	77
Infectious diseases (001-003,101-139)	1	—	—	1
Gastrointestinal(04,06-09,535,555-558)	1	—	—	1
Influenza, pneumonia (480-487)	9	—	—	9
Congenital anomalies (740-759)	54	32	7	15
Certain causes of perinatal mortality				
Birth trauma, injury (763,767)	4	3	—	1
Hypoxia, asphyxia, respiratory (768-770)	33	26	3	4
Immaturity (765)	21	21	—	—
Other causes (remainder 760-779)	5	5	—	—
Other and ill-defined causes	52	3	3	46
	Rate per 1,000 live births			
All infant deaths	10.1	5.0	0.7	4.3
Infectious diseases (001-003,101-139)	0.1	—	—	0.1
Gastrointestinal(04,06-09,535,555-558)	0.1	—	—	0.1
Influenza, pneumonia (480-487)	0.5	—	—	0.5
Congenital anomalies (740-759)	3.0	1.8	0.4	0.8
Certain causes of perinatal mortality				
Birth trauma, injury (763,767)	0.2	0.2	—	0.1
Hypoxia, asphyxia, respiratory (768-770)	1.8	1.5	0.2	0.2
Immaturity (765)	1.2	1.2	—	—
Other causes (remainder 760-779)	0.3	0.3	—	—
Other and ill-defined causes	2.9	0.2	0.2	2.6

Marriages and Divorces

Rate of Marriages

There were 7,504 marriages in Saskatchewan in 1983 giving a marriage rate per 1,000 population of 7.6. For Canada as a whole, the rate decreased from 7.6 in 1982 to 7.4 in 1983.

July was the most favoured month for marriages in 1983 followed by August and June. The smallest number of marriages occurred in January.

The following table shows the distribution of marriage registrations by month.

Month	*Number*
January	182
February	212
March	222
April	536
May	621
June	857
July	1,467
August	963
September	625
October	778
November	525
December	516

Previous Marital Status and Age at Marriage

In 1983 in Saskatchewan, 75.4 per cent of all marriages were between persons who had not been previously married.

Of brides, 18.2 per cent were age 19 or less, whereas 3.9 per cent of bridegrooms fell into this category. Nearly 48.4 per cent of all bridegrooms and 66.5 per cent of all brides were 24 years or less. The average age of grooms was 27.6 and brides 24.9.

The following table gives a comparison of the average age of bridegrooms and brides for the years 1973-1983.

Average Age at Time of Marriage in Years

	Bridegroom	*Bride*
1973	26.2	23.8
1974	25.4	22.9
1975	25.6	23.1
1976	25.8	23.2
1977	26.7	23.9
1978	26.3	23.6
1979	26.4	23.8
1980	26.7	24.0
1981	27.1	24.4
1982	27.1	24.4
1983	27.6	24.9

Birth Place and Religious Denomination

The number of Saskatchewan born brides was 6,036 or 80.4 per cent of total brides while Saskatchewan born grooms numbered 5,624 or 74.9 per cent; 94.1 per cent of all grooms and 95.1 per cent of all brides were born in Canada.

Both parties were of the same religious denomination in 44.5 per cent of all marriages recorded in Saskatchewan in 1983.

Divorces and Annulments

There were 2,000 divorces and annulments in Saskatchewan in 1983, an increase of 185 from the previous year. The rate of divorces and annulments per 100,000 population in 1983 was 202 compared to 185 for 1982.

The ratio of divorces and annulments to marriages was 1:4 in 1982 and 1:4 in 1983.

Table 32. Divorces and Annulments, Ratio to Marriages, and Rate per 100,000 Population, Saskatchewan, 1977-1983

Item	1977	1978	1979	1980	1981	1982	1983
Number of divorces and annulments	1,474†	1,428†	1,528†	1,836	1,932	1,815	2,000
Number of marriages	7,238	7,135	7,261	7,561	7,325	7,491	7,504
Ratio of divorces and annulments to marriages	1:5	1:5	1:5	1:4	1:4	1:4	1:4
Rate of divorces and annulments per 100,000 population	157†	151†	159†	189	199	185	202

† Revised figure.

Source: Divorce figures from Statistics Canada publication "Vital Statistics, Volume II Marriages and Divorces", 84-205.

Table 33. Marriages by Previous Marital Status of Bridegroom and Bride, Saskatchewan, 1983

Status of bridegroom	Total	Status of bride		
		Single	Widow	Divorced
Total	7,504	6,278	254	972
Single	6,188	5,656	53	479
Widower	230	37	127	66
Divorced	1,086	585	74	427

Table 34. Bridegrooms and Brides by Age and Previous Marital Status, Saskatchewan, 1983

Age group	Bridegrooms				Brides			
	Total	Single	Widower	Divorced	Total	Single	Widow	Divorced
	Number							
Total	7,504	6,188	230	1,086	7,504	6,278	254	972
Under 20	289	289	—	—	1,369	1,369	—	—
20-24	3,340	3,310	1	29	3,618	3,507	5	106
25-29	2,090	1,836	2	252	1,365	1,065	11	289
30-34	794	507	10	277	467	227	14	226
35-39	332	113	6	213	214	49	22	143
40-44	170	52	19	99	128	27	15	86
45-49	133	26	20	87	99	10	27	62
50-54	121	29	27	65	73	6	31	36
55-59	69	16	26	27	53	7	33	13
60-64	62	6	40	16	51	6	39	6
65-69	44	1	29	14	41	5	31	5
70-74	31	1	27	3	15	—	15	—
75+	29	2	23	4	11	—	11	—
Average age	27.6	24.9	58.4	36.7	24.9	22.5	53.1	33.4
Median age	25.0	24.0	60.0	34.0	22.0	22.0	55.0	31.0

Average and median ages were calculated using single year age groups.

Table 35. Marriages by Religious Denomination of Bridegroom and Bride, Saskatchewan, 1983

Denomination	Number			Per cent		
	Both parties*	Bridegroom	Bride	Both parties*	Bridegroom	Bride
Total	3,343	7,504	7,504	44.5	100.0	100.0
Baptists	54	145	138	0.7	1.9	1.8
Lutherans	158	567	632	2.1	7.6	8.4
Mennonites	120	209	214	1.6	2.8	2.8
Presbyterians	16	100	87	0.2	1.3	1.2
Roman Catholics	1,184	2,301	2,428	15.8	30.7	32.4
United Church	865	1,867	1,874	11.5	24.9	25.0
All other religions	664	1,367	1,317	8.8	18.2	17.6
No religion	131	299	239	1.7	4.0	3.2
Unspecified or unknown	151	649	575	2.0	8.6	7.7

* *These figures and percentages represent marriages in which both the bridegroom and bride were of the same religious denomination. The difference between this figure and the total number of marriages represents the proportion in which bridegroom and bride were of different religious denominations. Includes Eastern Orthodox Churches and Doukhobors.*

Table 36. Marriages by Birthplace of Bridegroom and Bride, Saskatchewan, 1983

Birthplace of bridegroom	Birthplace of bride												
	Total	Sask.	Alta.	B.C.	Man.	Ont.	Other prov.	U.S.	Asia	Europe	Africa	Other	Not stated
Total	7,504	6,036	295	131	295	246	130	79	105	150	9	28	–
Saskatchewan	5,624	4,753	196	81	198	155	76	56	11	80	4	14	–
Alberta	331	247	41	10	8	10	4	3	–	7	–	1	–
British Columbia	176	119	12	9	14	12	5	3	–	1	–	1	–
Manitoba	346	260	9	7	35	12	10	2	–	9	1	1	–
Ontario	379	280	16	8	18	30	8	2	2	15	–	–	–
Other provinces	207	142	8	2	12	14	18	4	–	5	–	2	–
United States	84	63	3	5	3	1	1	7	–	1	–	–	–
Asia	114	17	1	–	1	1	3	1	87	1	–	2	–
Europe	197	128	9	7	3	11	3	1	3	31	–	1	–
Africa	12	7	–	–	–	–	–	–	1	–	4	–	–
Other	33	20	–	2	3	–	1	–	1	–	–	6	–
Not stated	1	–	–	–	–	–	1	–	–	–	–	–	–

Life Expectancy

A life expectancy table is, in effect, the history of mortality of 100,000 male babies and of 100,000 female babies born at the same time. Life expectancy figures provide a graphic picture of the extent to which the saving of lives has gradually prolonged the average expectation of life, and are fairly good mirrors reflecting the general health and survival conditions at the time of their compiling.

According to the Saskatchewan life table compiled on the basis of the 1981 census, the life expectancy at birth reached an all time peak for females, 79.61 years, and for males, 72.43 years. The gain in life expectancy is greater in females. A sharp rise in the probability of death begins at age 56 for males and at 65 for females, the decrease in expectancy being faster for males than females.

Table 37. Life Expectancy, Saskatchewan, 1941, 1961, 1981

Age	Life expectancy			Gain or loss in life expectancy	
	1941	1961	1981	1961 over 1941	1981 over 1961
	Males				
At birth	65.43	70.27	72.43	4.84	2.16
20	51.28	53.49	54.35	2.21	0.86
40	33.32	34.99	35.92	1.67	0.93
60	16.82	18.10	19.09	1.28	0.99
80	5.76	6.31	7.16	0.55	0.85
	Females				
At birth	68.19	75.93	79.61	7.74	3.68
20	53.08	58.35	60.85	5.27	2.50
40	34.96	39.09	41.64	4.13	2.55
60	18.26	21.09	23.65	2.83	2.56
80	6.38	7.29	8.94	0.91	1.65

Note: Source of figures for 1941: Life Tables for Canada and Regions, 1941 and 1931, D.B.S. Ottawa 1947. These figures have been calculated for the prairie provinces. The figures for 1961 have been calculated for Saskatchewan by the Department of Health. The figures for 1981 are taken from the Statistics Canada publication, Life Tables, Canada and Provinces, 1980-1982.

Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Males

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100,000	1,320	.01320	72.43
1 year	98,680	108	.00190	72.40
2 years	98,572	79	.00080	71.48
3 years	98,493	64	.00065	70.53
4 years	98,429	57	.00058	69.58
5 years	98,372	44	.00045	68.62
10 years	98,245	21	.00021	63.71
15 years	98,002	126	.00130	58.86
20 years	97,150	199	.00204	54.35
25 years	96,193	168	.00176	49.87
30 years	95,430	135	.00141	45.24
35 years	94,743	157	.00165	40.55
40 years	93,837	222	.00236	35.92
45 years	92,494	365	.00394	31.40
50 years	90,330	517	.00572	27.09
55 years	87,300	792	.00908	22.94
60 years	82,629	1,127	.01364	19.09
65 years	76,126	1,618	.02126	15.49
70 years	66,756	2,262	.03389	12.30
75 years	54,226	2,827	.05214	9.54
80 years	39,472	3,023	.07657	7.16
85 years	24,386	2,926	.12000	5.04

Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Females (Continued)

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100.000	914	00914	79.61
1 year	99.086	86	00087	79.34
2 years	99.000	45	00046	78.41
3 years	98.955	34	00034	77.45
4 years	98.921	30	00030	76.47
5 years	98.891	25	00026	75.50
10 years	98.788	18	00019	70.57
15 years	98.657	48	00049	65.66
20 years	98.371	55	00056	60.85
25 years	98.107	58	00060	56.00
30 years	97.779	73	00075	51.18
35 years	97.369	101	00103	46.39
40 years	96.809	122	00126	41.64
45 years	96.096	199	00207	36.93
50 years	94.897	285	00300	32.36
55 years	93.208	458	00492	27.90
60 years	90.508	633	00698	23.65
65 years	86.918	890	01024	19.52
70 years	81.591	1.368	01677	15.62
75 years	73.395	2.085	02840	12.07
80 years	61.250	2.930	04784	8.94
85 years	44.776	3.785	08452	6.26